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| Name | Dr. SANJAY B. KULKARNI M.Sc., P.G.D.C.A., Ph. D. |
| Designation | Dean Faculty, Professor and Head |
| Department | First Year Engineering (Science & Humanities) |
| Date of Joining the Institute | 13/07/1998 |
| Education | M.Sc. Mathematics GUG, University, 1995 P.G. Diploma in Computer Application, 1996 Ph. D., Dr. BATU, Lonere, 2010 |
| Branch / Specialization | Applied Mathematics |
| Areas of Interest | Non-Newtonian Fluids, Optimization Techniques, Numerical Techniques, and Elastico-Viscous Fluids |
| Email | deanfaculty@famt.ac.in , hodfe@famt.ac.in , sanjay.kulkarni@famt.ac.in |
| Personal Homepage link | http://sanjaykulkarni.wordpress.wordpress.com/ https://youtu.be/nkMBe1MJTRA https://mathematics.gnomio.com/ |



Academic Appointments

| Name of the University / Institute / Industry | Duration | Designation |
|--|---|--|
| Finolex Academy of Management and Technology, Ratnagiri | From 01/11/2015 to till date | Professor |
| | From 1/12/2011 to 1/11/2015 | Associate Professor |
| | From 1/07/2009 to 1/12/2011 | Assistant Professor |
| | From 1/07/2004 to 1/07/2009 From 13/07/1998 to 1/07/2004 | Sr. Lecturer Lecturer |
| Maharashtra College of Engineering, Nilanga | From 1/08/1995 to 13/07/1998 | Lecturer |

Total Experience – 23 Years

Awards / Honors / Prizes

- 1.** Nomination as an International Educator of the Year for 2018, International Biographical Centre, Cambridge London.
- 2.** Most Influential Professionals of 2016 by International Biographical Centre, Cambridge London.
- 3.** Top 100 Professionals of 2015 by International Biographical Centre, Cambridge London.
- 4.** 2000 Outstanding intellectuals of 21st Century ~ 9th Edition (2015) by International Biographical Centre, Cambridge London.
- 5.** The Da Vinci Diamond for Inspirational Accomplishment by International Biographical Centre, Cambridge London.
- 6.** Aland Sri by S. R. Foundation, Aland 2015.
- 7.** Appreciation letter dated 06/12/2016 by Principal FAMT, Ratnagiri.
- 8.** Appreciation letter dated 20/11/2015 by Principal FAMT, Ratnagiri.
- 9.** Appreciation letter dated 02/10/2015 by Principal FAMT, Ratnagiri.
- 10.** Appreciation letter dated 07/03/2011 by Director FAMT, Ratnagiri.

Minor Research Grants or Projects

- 1.** Title of the Project : Non-Newtonian Fluid Flows of Second Order Type
- 2.** Basic Subject Area : Applied Mathematics
- 3.** Amount Sanctioned : 30,000/-
- 4.** University Research Project No : 104
- 5.** Reference No: APD/237/323 of 2018 dated 27th March, 2018.

- 1.** Forced Oscillations of Electrically Conducting Fluid with angle of inclination on the porous boundary is published in **International Journal of Research in Electronics and Computer Engineering, 6(3) July to September, 2018.**
- 2.** Effect of frequency of excitation and angle of inclination on MHD flow of elastic-viscous fluid creating sinusoidal disturbances on the porous boundary is published in **International Journal of engineering, Technology, Science and Research, 4(10), October, 2017**
- 3.** Forced oscillations of electrical conducting fluid under the influence of applied magnetic field on the porous boundary has been published in **American Journal of Software Engineering and Application in 5(5), October, 2016.**
- 4.** Numerical Investigation of unsteady flow of an incompressible elastic-viscous fluid in a tube of spherical cross section on a porous boundary has been published in **International Journal of Engineering and Applied Sciences 1(4), December, 2016.**
- 5.** Unsteady MHD elastic-viscous fluid flow of second order type in tube of hyperbolic cross section on a porous boundary is published in science research association **International Journal of Mechanics, 1(1), October, 2016, pp. 48-63.**
- 6.** Effect of mass flow rate on unsteady fluid flow in a tube of hyperbolic cross section is published in **International Journal of Innovative Research and Development, 1(1), 2016, pp. 8 – 15.**
- 7.** Unsteady poiseuille flow of second order fluid in a tube of hyperbolic cross section on the porous boundary. Accepted for publication in **Asian Journal of Convergence in Technology and Published in the proceeding of 2nd National conference on Recent Advances in science and Technology, February 17th & 18th, 2016.**
- 8.** Forced oscillations of elastic-viscous fluid under the influence of applied magnetic field on the porous boundary has been **accepted** for publication in **Asian Journal of Convergence in Technology and Published in the proceeding of 2nd National conference on Recent Advances in science and Technology, February 17th & 18th, 2016.**
- 9.** On the class of exact solutions of MHD boundary layer flow of second order type by creating forced oscillations on the porous boundary is published **International Journal of recent Advances in Engineering & Technology, 4(8), 2016, pp. 1 – 8.**
- 10.** Unsteady MHD Flow of an Incompressible Fluid in a Tube of Spherical cross section with angle of inclination on a porous Boundary. Published in **International Journal of Latest Research in Science and Technology, 4 (6), pp. 1-7.**
- 11.** Numerical Investigation of Unsteady MHD Flow of Second Order Fluid in a Tube of Elliptical Cross- section on the porous boundary. Published in **International Journal of Mathematical, Computational, Physical, Electrical and Computer Engineering, 9(9) No. 9, 2015, pp. 510 – 518.**
- 12.** On the class of exact solutions of MHD boundary layer flow of second order type by creating sinusoidal disturbances on the porous boundary. Published in **International Journal of Applied Computational Mathematics, 4(5).1000246.**
- 13.** Unsteady MHD Flow of an Incompressible Fluid in a Tube of Spherical cross section on a porous Boundary. Published in **International Journal of Mechanical Aerospace**

Industrial and Mechatronics Engineering, 9(4), 2015, pp. 601 – 607.

- 14.** Unsteady MHD flow of elastico – viscous incompressible fluid through a porous media between two parallel plates under the influence of magnetic field. Published in **Journal of Defence Science Journal Vol. 65, No. 2, March 2015, pp. 119 – 125.**
- 15.** Unsteady flow of an incompressible elastico – viscous fluid of second order type in tube of ellipsoidal cross section on a porous boundary. Published in **International Journal of Mechanical Aerospace Industrial and Mechatronics Engineering, 9(2), 2015, pp. 359 – 364.**
- 16.** Unsteady Poiseuille Flow of Second order fluid in a tube of Elliptical cross section with an angle of inclination of the plane with horizontal on the porous boundary. Published in the proceedings of **International National conference on Ethical Prospects Economy, Society and Environment 13th & 14th March, 2015 (EPESE-2015).**
- 17.** Unsteady Poiseuille flow of an Incompressible elastico – Viscous fluid in a tube of Spherical cross section on a porous boundary. Published in **International Journal of Mechanical Aerospace Industrial and Mechatronics Engineering, 9(2), 2015, pp. 240 – 246.**
- 18.** Unsteady flow of an incompressible viscous electrically conducting fluid in tube of elliptical cross section under the influence of magnetic field. Published in **International Journal of Mathematical Computational, Physical and Quantum Engineering, 8(10), 2014, pp 1311-1317.**
- 19.** Unsteady poiseuille flow of second order fluid in a tube of elliptical cross section on the porous boundary. Published in **International journal of Special Topics & Reviews in Porous Media, 5(2), 2014, pp. 269-276.**
- 20.** Elastico - Viscous Fluid Flow between two parallel plates with the lower plate possessing natural permeability. Advances in Heat and Mass Transfer (AHMT-09), FAMT, Ratnagiri. Published in the proceedings of **National conference on Advances in Heat and Mass Transfer (AHMT-09).**
- 21.** On the characteristic performance of elastico-viscous fluid past an infinite plate with variable section under the influence of magnetic field. Published in the proceedings of **34th National conference on Fluid Mechanics and Fluid Power.**
- 22.** On the characteristic performance of second order fluid flow between two parallel porous plates when the pressure gradient varies sinusoid ally. Published in the proceedings of **3rd International 33rd National conference on Fluid Mechanics and Fluid Power, IIT Bombay.**
- 23.** Critical study of an elastico - viscous fluid past an infinite plate with variable suction. Published in the proceedings of **Fluid Mechanics and Fluid power 32nd FM&FP B12-1 to B 12-7.**
- 24.** Viscous flow through a porous medium past an oscillating plate in a rotating system with magnetic Effects. An **International Research Journal of Material Sciences. Published in Vol. 3(2), Dec 2005, pp. 179 – 186.**
- 25.** Unsteady laminar flow of second order fluid between two porous parallel plates. Accepted for publication in **International Journal of Combinatorics, Information & System Sciences.**
- 26.** Effect of Load and Eccentricity Parameters on the Performance Index of Porous Bearings.

Published in **Journal of the Institution of Engineers (India) Vol.87, October 2006, pp 13 – 17.**

- 27.**Flow of an elastico-viscous fluid past an infinite plate with variable suction. **Published in Defence Science Journal Vol.57, July 2007, No.4 pp. 549-556.**
- 28.**On the class of exact solutions of an incompressible fluid flow of second order type by creating forced oscillations on the porous boundary. Published in **Defence Science Journal Vol.57, March 2007, No. 2 pp. 197-209.**
- 29.**On the class of exact solutions of an incompressible fluid flows of second order type by creating sinusoidal disturbances. Published in **Defence Science Journal. Vol.56, November 2006, pp.733-741.**
- 30.**Unsteady laminar flow of visco - elastic Fluid of second order type between two parallel plates. Published in **Indian Journal of Materials Science Vol. 12, February 2005, pp. 51-57.**

Papers Presented in International / National Conferences - 12

- 1.** Participated in the National conference on "Recent Advances in the Mathematical Sciences and Applications organised by Department of Studies and Research in Mathematics, Tumakur University, Tumakur Karnataka during 1st and 2nd December 2017.
- 2.** Presented a paper "Forced oscillations of elastic-viscous fluid under the influence of applied magnetic field on the porous boundary" in 2nd National conference on Recent Advances in science and Technology, February **17th & 18th, 2016.**
- 3.** Presented a paper "Unsteady poiseuille flow of second order fluid in a tube of hyperbolic cross section on the porous boundary" in 2nd National conference on Recent Advances in science and Technology, February **17th & 18th, 2016.**
- 4.** Presented a paper entitled "On the class of exact solutions of MHD boundary layer flow of second order type by creating forced oscillations on the porous boundary" in **International Conference** on Recent Trends in Computing communication and Science, **January 08th & 09th, 2016.**
- 5.** Presented a paper entitled "Unsteady MHD Flow of an Incompressible Fluid in a Tube of Spherical cross section with angle of inclination on a porous Boundary" **International** conference on Mathematical Sciences September **15th & 16th, 2015.**
- 6.** Presented a paper entitled "On the class of exact solutions of elastico – viscous fluid in a tube of elliptical cross section over an inclined rigid plane on the porous boundary". **International Conference** on Ethical Prospects Economy, Society and Environment organized by Ratnagiri Sub-Centre, University of Mumbai In association with ICSSR-WRC, Mumbai, on **March, 13th & 14th 2015.**
- 7.** Presented a paper entitled "On the class of exact solutions of an incompressible fluid flow of second order type by creating sinusoidal disturbances under the influence of magnetic field " National Conference on Recent Advances in Applied Mathematics (NCRAAM-2014) organized by Department of mathematics, Gulbarga University of Gulbarga, on **September , 11-12, 2014.**
- 8.** Presented a paper entitled "Unsteady flow of a viscoelastic fluid through a porous media between two impermeable parallel plates under the influence of magnetic field "National

Conference on Differential Equations and Applications organized by Department of mathematics, University of Mumbai, on **February, 14-15, 2014.**

9. Presented a paper entitled "Un steady laminar flow of second order fluid between two porous parallel plates" was presented at 14th **International Conference** on computational methods and Applications to be held at **IIT Madras.**
10. A paper entitled "On the characteristic performance of second order fluid flow between two parallel porous plates when the pressure gradient varies sinusoid ally" was presented at 3rd **International 33rd National** conference on Fluid Mechanics and Fluid Power, **IIT Bombay.**
11. A paper entitled "On the characteristic performance of elastico-viscous fluid past an infinite plate with variable suction under the influence of magnetic field" was presented at **International Symposium** On Recent Advances In Mathematics & Its Applications held at Calcutta Mathematical Society – 2005
12. Presented a paper entitled "Critical study of an elastico – viscous fluid past an infinite plate with variable suction" at 32th FM&FP held at Osamanabad college of Engineering – India

Number of Workshops, STTPs Attended - 18

1. Attended Two-Day workshop on Intellectual Property Right conducted by Finolex Academy of Management & Technology, Ratnagiri on 24th March, 2018
2. Successfully completed an AICTE approved **FDP** (FDP201X) on Pedagogy for online and Blended Teaching learning process conducted by Indian Institute of Technology Bombay from September 14, 2017 to October 12, 2017.
3. Successfully completed an AICTE approved **FDP** (FDP101X) on Foundation Program in ICT for Education conducted by Indian Institute of Technology Bombay from August 3, 2017 to September 7, 2017.
4. Attended the two-week ISTE workshop on Cyber Security Conducted by Indian institute of Technology from **10th Jul to 20th Jul** 2014, Bombay.
5. Attended the two-week ISTE workshop on " Control Systems " Conducted by Indian institute of Technology from **16th Jun to 25th Jun** 2014, Bombay.
6. Attended the two-week ISTE workshop on " Computer Programming " Conducted by Indian institute of Technology from **2nd Jan to 12th Dec** 2014, Bombay and **Kharagpur.**
7. Attended the two-week ISTE workshop on " Engineering Mechanics " Conducted by Indian institute of Technology from **26th Nov to 06th Dec** 2013, Bombay.
8. Attended the two-day workshop on "Research in Educational Technology" Conducted by Indian institute of Technology from **2nd February to 9th February** 2013, Bombay.
9. Attended the two-day workshop on "Aakash for Education" Conducted by Indian institute of Technology from **10th November to 11th November** 2012, Bombay.
10. Attended the One-Day Orientation Program on Applied Mathematics Sem -I & II conducted on behalf of University of Mumbai at K. J. Somaiya College of Engineering on 6th Sep, 2012.

11. Attended the One – Day workshop on Question Paper Bank conducted on behalf of University of Mumbai at K. J. Somaiya College Engineering on 21st July, 2012.
12. Attended the One – Day workshop on Credit Based Examination conducted on behalf of University of Mumbai at Thadomal Shahani Engineering College on 06th Aug, 2012.
13. Attended the two-week ISTE workshop on “Introduction to research Methodologies” Conducted by Indian institute of Technology from **25th June to 04th July** 2012, Bombay.
14. Attended the workshop on “Using soft tools for teaching methodologies in engineering mathematics” from **28th Apr- 3rd May 2008** offered by **V.I.I.T. Pune**.
15. Attended the **National Summer School** 2006, from **15th – 27th May 2006** offered by Sinhgad College of Engineering, Pune.
16. Three day workshop on **Unix** offered by Finolex Academy of Management & Technology Ratnagiri, Aug 12-13, 2006.
17. Three day workshop on Latex offered by Finolex Academy of Management & Technology Ratnagiri on Dec, 9 – 11, 2004.
18. Recent Mathematical Techniques for Industry with a Special Focus on Nanotechnology offered by **Indian Institute of Technology Kharagpur. Dec 5-11, 2005**.

Reviewer for International/National Journals/Books Published

1. Published International Book **Elastico-Viscous fluid flows** By LAMBERT Academic Publishing GmbH & Co. KG Dudweiler LandstraBe 99 66123 Saarbrucken **Germany**.
2. Worked as a member of editorial board of Lawrence Press.
3. Worked as a member of editorial board World Scientific and Engineering Academy and Society.
4. Worked as a member of editorial board World Academy of Science Engineering and Technology.
5. Worked as a Reviewer for **International journal of Porous Media**.
6. Worked as a Reviewer for **Defense Science Journal India**.
7. Worked as a Reviewer for **Journal of the Institution of Engineers (India)**.

Membership in Professional Bodies

1. Indian Society for Technical Education (ISTE), New Delhi Life Member Since, 1998.
2. Indian Society of Theoretical and Applied Mechanics IIT, Kharagpur Life Member from Dec, 2005.
3. World Academy of Science Engineering and Technology. International Scientific committee PO BOX 982, Riverside, Connecticut, CT 06878, USA.
4. Member of International Biographical Centre, Cambridge, England.

5. Member of World Scientific and Engineering Academy and Society.

Seminars/Lecture/ Invited Talks Delivered As Resource Person

1. Member of Vidya Samitee for next three years starting from 2018 - 19, Department of Mathematics R. P. Gogate College of Arts & Science, Ratnagiri.
2. Member of Vidya Samitee from starting from 2017 - 18, Department of Mathematics R. P. Gogate College of Arts & Science, Ratnagiri.
3. Worked as referee for Research project Competition on Applied Mathematics, 19th January 2017 Department of Mathematics R. P. Gogate College of Arts & Science, Ratnagiri.
4. Worked as referee for SHODHVEDH-2016 on 24th September 2016 Department of Mathematics R. P. Gogate College of Arts & Science, Ratnagiri.
5. Convener of 2nd National conference on Recent Advances in science and Technology, February **17th & 18th, 2016.**
6. Delivered Seminar on "Choice Based Credit Grading System" for First Year Engineering on 8th Aug, 2016
7. Conducted Seminar on "Credit Based Grading System" for First Year Engineering students.
8. Delivered Seminar on "**Credit Based Grading System**" on Aug, 2012 at Finolex Academy of Management and Technology, Ratnagiri.
9. Worked as a Resource Person and delivered seminar on "**How to write Research Paper**" on December 2nd 2015 at Finolex Academy of Management and Technology, Ratnagiri.

College Exam Duties - Type of Work

1. Worked as a **CAP coordinator** for the 2011 paper assessment of Engineering cluster CAP of University of Mumbai at **FAMT CAP.**
2. Worked as a **Chief Conductor** for conducting the Examination of **University of Mumbai in 2000, 2002 and 2005** at Finolex Academy of Management & Technology, Ratnagiri.
3. Worked as a **Senior Supervisor** of **Engineering Examination of University of Mumbai, 2010 & 2006** at Finolex Academy of Management & Technology, Ratnagiri.
4. Carried out exam related duties such as **Convener, Paper Setter, Moderator, Examiner and External Examiner** as pointed by Board of Examination, University of Mumbai.
5. Worked as **Subject Expert** for **USSC** selection of faculty in Applied Mathematics, University of Mumbai.

College Level Committees

| Sr. No | Portfolios | Duration | Record |
|--------|---|---|-----------------------|
| 1 | In-Charge Principal | | FAMT/OFFORD/19/2018 |
| 2 | Dean Faculty | 04 th Oct,2017 Onwards | FAMT/OFFORD/470/2017 |
| 3 | Dean Academics | 31 st March,2016 Oct,2017 | FAMT/OFFORD/412A/2016 |
| 4 | Head of First Year Engineering (Science & Humanities) | 1 st August 2015 Onwards | FAMT/OFFORD/298/2015 |
| 6 | Head of Applied Mathematics | July 2009 T0 July 2015 | FAMT/OFFORD/158/2009 |
| 7 | FE Coordinator | July 2011T0 July 2013 | FAMT/OFFORD/158/2009 |
| 8 | Convener of AICTE - C II Survey | | FAMT/OFFORD/374/2018 |
| 9 | Convener of Perspective Plan of University of Mumbai | | FAMT/OFFORD/367/2018 |
| 10 | Convener of Asia HRD Awards | | FAMT/OFFORD/366/2018 |
| 11 | Convener of BW Ranking 2018 | | FAMT/OFFORD/318A/2018 |
| 12 | Convener of Times-i3RC Ranking 2018 | | FAMT/OFFORD/232/2018 |
| 13 | Convener of LIC Committee | | FAMT/OFFORD/212/2018 |
| 14 | Convener of Fact Finding Committee | | FAMT/CRIC/173/2018 |
| 15 | Convener of India Today Ranking | | FAMT/CRIC/44/2018 |
| 16 | Convener of Sports Committee | | FAMT/CRIC/604/2018 |
| 17 | Advisory Committee member of IPR Cell | | FAMT/CRIC/207/2018 |
| 18 | Feedback Committee Coordinator (Head) | 10 th August 2015 onwards | FAMT/CRIC/314/2015 |
| 19 | Convener of AICTE EOA | July 2016 Onwards | FAMT/CRIC/23/2018 |
| 20 | Member of ANTI RAGGING Committee | July 2009 Onwards | FAMT/CRIC/203/2018 |
| 21 | Sports In charge | More than 15 years | FAMT/OFFORD/229/2007 |
| 22 | Member of Internal Quality Assurance Cell | 19 th December 2015 Onwards | FAMT/CRIC/491/2017 |
| 23 | Convener of Appraisal of Administration staff | | FAMT/CIR/484/2017 |
| 24 | Convener of Appraisal of Non-Teaching staff | | FAMT/CIR/404/2017 |
| 25 | Convener of Appraisal of Non-Teaching staff | | FAMT/CIR/281/2017 |
| 26 | Convener of Appraisal of Teaching staff(USSC) | | FAMT/CIR/259/2017 |
| 27 | Convener NME Awards | | FAMT/CIR/248/2017 |
| 28 | Convener of Appraisal of Teaching staff(Adhoc) | | FAMT/CIR/237/2017 |
| 29 | Chief Conductor and CAP Director | | FAMT/OFFORD/543/2017 |
| 30 | Member of NIRF Committee | 30 th November 2015 Onwards | FAMT/CRIC/604/2017 |
| 31 | Member of Internal Complaint Committee | 04 th May, 2017 | FAMT/CRIC/205/2017 |

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| 32 | Convener of Academic Audit Committee | 09 th May, 2017 | FAMT/CRIC/211/2017 |
| 33 | Convener of Swachata Ranking | | FAMT/CRIC/369/2017 |
| 34 | Convener of Times Ranking 2018 | | FAMT/CRIC/491/2017 |
| 35 | Faculty In charge for F.E. Well come function | 1 st August 2015 Onwards | FAMT/CIR/484/2017 |
| 36 | Member of selection of students Resprsentive(GS, LR, SS(M) and SS(L)) | July 2012 Onwards | FAMT/CIR/404/2017 |
| 37 | Member of selection of Best Student | July 2012 Onwards | FAMT/CIR/369/2017 |
| 38 | Member of selection of Sports Person of Year | July 2012 Onwards | FAMT/CIR/370/2017 |
| 39 | CAP Co-ordinator of University of Mumbai for November & December 2012 | 12 December 2012 | FAMT/CIR/281/2017 |
| 40 | Member of NAAC Criteria-V | | FAMT/CIR/259/2017 |
| 41 | Support Member of NAAC Criteria-II | | FAMT/CIR/248/2017 |
| 42 | Member of faculty Selection committee | July 2015 Onwards | FAMT/CIR/237/2017 |
| 43 | Committee Head of Optimization of computer usage | 8 th December 2016 | FAMT/CIR/205/2017 |
| 44 | Faculty In Charge of University of Mumbai Inter-Collegiate Cross Country Race | August 2016 | FAMT/CIR/211/2017 |
| 45 | Member of Result Checking Committee | July 2012 Onwards | FAMT/CIR/207/2016 |
| 46 | Convener of AICTE – EXTENSION OF APPROVAL | 3 rd January 2017 | FAMT/CIR/314/2015 |
| 47 | Convener of Preparation of affiliation report of LIC (Engineering, M.E. & MCA) | 22 nd April 2016 Onwards | |
| 48 | Convener of Science & Humanities in RAST2K16 | | FAMT/RAST-2K16/1356/2015 |
| 49 | Member of Confidential report committee | | |
| 50 | Convener of Fact Finding Committee | | |
| 51 | Cap Coordinator | | FAMT/OFFORD/384/2012 |
| 52 | Selection of Students Representative 2014-15 | | FAMT/OFFORD/351/2014 |
| 53 | Selection of Students Representative 2012-13 | | FAMT/OFFORD/365/2012 |
| 54 | Selection of Students Representative 2010-11 | | FAMT/OFFORD/337/2010 |
| 55 | Selection of Students Representative 2009-10 | | FAMT/OFFORD/300/2009 |
| 56 | Senior Supervisors | | FAMT/OFFORD/368/2010 |

Subject Taught

| Sr. No. | Name of the Subject | Year/Branch/Semester | Experience |
|---------|-------------------------|----------------------|------------|
| 1. | Applied Mathematics - I | F.E. (Sem - I) | 23 Years |

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| 2. | Applied Mathematics - II | F.E. (Sem - I) | 23 Years |
| 3. | Applied Mathematics - III | S.E. IT (Sem - III) | 8 Years |
| 4. | Applied Mathematics - III | S.E. MECH (Sem - III) | 10 Years |
| 5. | Applied Mathematics - III | S.E. ELECT (Sem - III) | 8 Years |
| 6. | Applied Mathematics - III | S.E. ETRX (Sem - IV) | 5 Years |
| 7. | Applied Mathematics - IV | S.E. IT (Sem - IV) | 8 Years |
| 8. | Applied Mathematics - IV | S.E. MECH (Sem - IV) | 10 Years |
| 9. | Applied Mathematics - IV | S.E. ELECT (Sem - IV) | 5 Years |
| 10. | Applied Mathematics - IV | S.E. ETRX (Sem - IV) | 5 Years |
| 11. | Applied Mathematics - V | S.E. IT (Sem - V) | 5 Years |
| 12. | Applied Mathematics - V | S.E. MECH (Sem - V) | 5 Years |
| 13. | Numerical Techniques | S.E. ELECT (Sem - III) | 8 Years |
| 14. | Numerical Methods | S.E. ETRX (Sem - III) | 8 Years |
| 15. | Operational Research | S.Y. MCA (Sem - III) | 4 Years |