Mrs. A. V. Lakshmi Prasuna
Assistant Professor

Education Qualifications: M. Tech
Specialization: Computer Science

ADDRESS:

D – Block - 311

JNTUH ID:

53150402 – 102135

EMAIL:

avlakshmiprasuna_it@mgit.ac.in

DATE OF JOINING:

31-07-2002

EXPERIENCE -22 Years

- Teaching - 22
- Research - Nil
- Industry - Nil
- Others – Nil

SUMMARY:

- Publications - 16
- Conferences - 11
- Patents – 1
- Books – 1
- Honors/Awards - 3

EVENTS:

- Organized - 10
- Attended - 78

Membership of Professional Bodies:
1. IAENG (International Association of Engineers) – 280992
2. ISTE(Life Membership) – LM35535
3. Indian Red Cross Society (Telangan State Branch) – Life Member 867

Responsibilities Held at Institution Level:
1. Member for National Innovation & Start-up Policy (NISP)
2. Member Convener for Departmental Advisory Committee
3. Member for IQAC Cell for a Period of 2 years

Responsibilities Held at Department Level:
1. PG Coordinator
2. M.Tech LAB In – charge
3. Course Files & Lab Manuals In – charge
4. Budget File In-Charge
5. Disciplinary
6. Mentor
7. NBA coordinator for documentation
8. BoS Member

Honors/Awards Received:
1. Certificate –cum –Appreciation Letter Received from Chuck Robbins Chairman & Chief Executive Officer Cisco on 3 Aug. 2020 for the completion of The Cisco® CCNAv7 course on "Introduction to Networks "
2. Awarded National Merit Scholarship (NMS) during B.E for the best academic performance in Intermediate.
3. Awarded II Prize winner for paper presentation contest at Vignan Institute of Technology & Science, Hyd., on 12 Mar.2005

Courses Handled at Under Graduate /Post Graduate Level:
- **UG:** Data Mining, Electronic Devices & Circuits, Information Technology and Numerical Methods, Programming for Problem Solving, Computer Programming in C, Digital Electronics, Digital Logic Design, Digital Logic Design & Computer Organization, Principles of Programming Languages, Data & Computer Communication, Data Communications, Computer Networks, Network Protocols & Security, Network Security and Cryptography, Wireless Networks & Mobile Computing, Mobile Computing, Human Computer Interaction, Steganography & Watermarking, Neural Networks, Design Patterns
- **PG:** Software Requirements & Estimation and E-Commerce for M.Tech (SWE), Advanced Wireless Networks for M.Tech(CN&IS)

Publications:
1. "Light Weight Data Sharing for Secured Mobile Cloud Computing", Published in Journal of Huazhong University of Science and Technology, Volume 50 , Issue 10, 2021 Scopus Indexed, ISSN: 1671 - 4512, IF: 6.2
2. "Deep Learning Based Social Distancing Detection using YOLO and Arduino", Published in Journal of Engg. Sciences - UGC CARE (GROUP – II), Vol. 8, Issue 6, June 2021, ISSN: 0377 – 9254, IF: 6.54
3. "A Review on Role of IOT coupled Blockchain in Agriculture", Published in IJARESM – UGC Approved, Vol.9, Issue 6, June 2021, ISSN : 2455 – 6211, IF : 7.429
4. "A Review on Role of Cyber Security in Data Science", Published in IJARSCT – UGC Approved, Vol. 2, Issue 3, Feb. 2021, ISSN : 2581 – 9429, IF : 4.819
5. "Energy Efficient Link – Delay Aware Routing Using Predicted Remaining Deliveries in Wireless Sensor Networks", Published in Journal Of Composition Theory, UGC CARE (GROUP – II), Vol. XIII, Issue XI, Nov. 2020, ISSN : 0731 – 6755, IF : 5.7
6. "RFID based Cash Wallet for Parking Garages using Timestamp", Published in International Journal of Recent Tech. & Engineering – Scopus Indexed, Vol. 9, Issue-1, May 2020,ISSN: 2277 – 3878, B-Impact Factor: 5.92
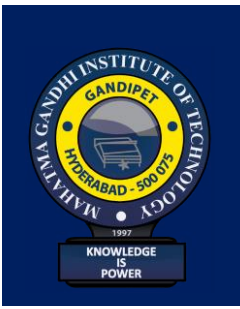
7. "Secure Internet Banking Authentication", Published in Journal of Engineering Sciences - UGC CARE (GROUP – II), Vol.11, Issue 2, Feb.. 2020 , ISSN: 0377 – 9254, IF : 6.54
8. "A Study on Artificial Neural Networks and its Applications", Published in International Journal of Computer Science & Engineering - UGC Approved, Jan. 2019, ISSN: 2347 – 2693, IF : 3.022
9. "Review of ANN Algorithms for Face Detection Systems", Published in International Journal of Research& Analytical Reviews, – UGC Approved, Jan. 2019, ISSN: 2348-1269, IF : 5.75
10. "An Efficient Approach for Data Control Mechanism with Time Factors in Public Cloud", Published in IJRECE – UGC Approved, 2018, ISSN : 2393 – 9028
11. "Review on Techniques to Control Data Access in Public Cloud using Attribute and Time factors", Published in IJIACS – UGC Approved, 2017, ISSN : 2347 – 8616
12. "Secret data Communication Using Watermarking", Published in International Journal of Scientific Engineering and Technology Research – UGC Approved, 2016, ISSN: 2319-8885
13. "Using Drifts identifying the change and Rating its severity of the change in Process Mining", Published in International Journal of Computer Engineering and Applications – UGC Approved, Vol.9, Special Issue, 2015, ISSN:2321-3469
14. "Novel Implementation of efficient caching scheme & consistency maintenance hybrid P2P system", Published in International Journal of P2P Network Trends & Technology-2014, IF: 2.14
15. "Novel Implementation of O-pass security model design of user authentication for password stealing and reuse attacks", Published in International Journal of computer trends and Technology – 2014, IF : 2.75
16. "Impact of Accessibility on Cloud based Opportunistic Computing in Multi – Dimensional Mobility", Published in International Journal of Research in Engineering Sciences by IMRF – 2013, IF: 2.54

Conferences:

1. "Exploring the Fog Computing Technology in development of IoT Applications", Presented in the 4th International Conference on Smart Computing & Informatics (SCI 2020) by Springer & VCE, Hyderabad, 9 – 10 Oct. 2020
2. "Review on Techniques to Control Data Access in Public Cloud using Attribute and Time factors", Presented in the International Conference on Advancements and Innovations in Engineering, Technology & Management (ICAIETM), 2017 @ JBREC, Hyderabad
3. "Data Management using ETL Tool by Informatica Power Centre", Presented in the International Conference on Innovations in Computer Science & Information Technology, (ICICSIT), 2015 @ MGIT
4. "Role of Blockchain Technology for providing Security & Privacy in IoT", Presented in the National Conference on Recent Trends in Electrical Engineering, MGIT, Hyderabad, 28 – 29 February, 2020, ISBN: 978-93-88808-57-6
5. "An Efficient Approach for Data Control Mechanism with Time Factors in Public Cloud", Presented in NCEITCT-2018 @ St. Martin's Engg., College, Hyderabad.
6. "A Preliminary Survey of Essential Technical Challenges in Cloud Computing Forensics ", Presented in the National Conference on Emerging & Innovative Trends in Computer Science, 2014 @ Vasavi Engineering College, Hyderabad
7. "Mobile Cloud Computing", Presented in the National Conference on Computational Intelligence & Applications (NCCIA-2012) at Geethanjali Engg. College, Hyderabad, during 9 – 10 Feb.,2012
8. "Adaptability of Autonomic Computing in various computing trends", Presented in the National Conference on Advanced Computing & Communication Techniques at PBRVITS, Kavali on 25 Feb. 2012
9. "Parallel Programming", Presented in the National Level Conference on Emerging Areas of Computer Science & Engineering., at SNIST, Hyd20-21 Nov.'2005.
10. "Distributed Computing", Presented in the National Level Symposium-"Technoheights-2005" at VITS, Hyderabad on 12 Mar.'2005 and awarded IInd Prize winner.
11. "Software Testing", as a co-author Presented in the National Level Symposium-"Technoheights-2005" at VITS, Hyderabad on 12 Mar.'2005.

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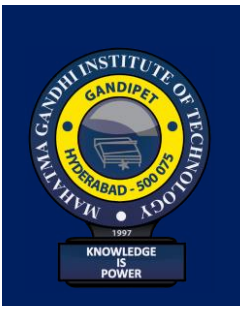- Conferences - 11
- Patents – 1
- Books – 1
- Honors/Awards - 3

EVENTS:

- Organized - 10
- Attended - 78

Patents:
 "Air Quality Monitoring Device Using IoT", a Indian National Patent with an Application No.: 202041031947A filed on 26 July 2020 and Published on 21 Aug. 2020 with "Published" Status

No. of Books/Chapter Published with details:
 Chapter 7 on "Data Security with Authentication in Mobile Cloud Computing : Methods & Techniques with Capabilities, Limitations", Published in the Book Titled "Authentication and Access Control for Secure Communication in Mobile Cloud Computing", on 3 Dec. 2020, in Elsevier SSRN Imprint Immortal Publications with ISBN : 978-93-5407-019-8

Events Organized:
 Conferences:
As a Coordinator, organized an International Conference on Innovations in Computer Science and Information Technology (ICICSIT), 28 – 29 Aug. 2015
 **FDPs/STTPs:**
1. As a Coordinator, 2 Day online FDP on "IPR & Patent Filing", 11 – 12 Sep. 2020, R & D Cell and NISP Cell – MGIT, Hyderabad
2. One week Online FDP on "Ethical Hacking & Data Security", 27 – 31 July 2020
3. As a Stage Committee member, Organized "International Womens' Day", 5 Mar. 2020
4. A One Week FDP on " Avenues for Technology & Research in IOT", 11 – 16 Dec. 2017.
5. A 3 Day FDP on " Mobile Application Development & Software Testing Methodologies", 6 – 8 August 2012.
 Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:
1. 2 – Day Workshop on "Data Analytics", Organized as a Coordinator for II/IV B.Tech – IT Students, 28 – 29 Feb. 2020
2. Webinar on Microsoft Azure Cloud Technology, 18 July 2020, Mr. Kongara Srinivas, Advanced App – Engg, Associate Manager, ACCENTURE, Hyderabad, Google Meet & YouTube Channel and Faculty & Students
3. Virtual Power Seminar on "Big Data", 30 July 2020, T. Sharath Babu, Director - Product Development, Oracle , India, Google Meet and IV B.Tech CSE & IT Students, MGIT
4. Virtual Power Seminar on "Artificial Intelligence", 22 July 2020, Dinakar Medavaram, Co – Founder, Quikproto Research Labs (P) Ltd, Google Meet and IV B.Tech CSE & IT Students, MGIT
 Events Attended:
 FDPs/STTPs:
1. FDP on "Plagiarism in Academic Research & Author Identifiers", Indian Institute of Management and Commerce & IQAC, 11 – 12 Apr. 2022
2. National Workshop on "Insights on Publishing Multidisciplinary Edited & Authored Books with International Publishers", Banarsidas Chandiwala Institute of Information Technology, Delhi, 8 April 2022
3. FDP on " Machine Learning & Its Applications", C V R College, Hyderabad, 28 Mar. – 1 Apr. 2022
4. FDP on " Advancements in Security using Deep Learning", GMRIT & V R Siddhartha Engg. College, 21 – 25 Mar. 2022
5. National Seminar on " Key Challenges and Opportunities for Recycling Electric Vehicle Batteries", IFET College of Engg, Villupuram & CSIR, 16 – 17 Mar. 2022
6. International Webinar on " Gender equality today for a sustainable Tomorrow", Women Development Cell, MGIT – Hyderabad, 8 Mar. 2022
7. FDP on " Artificial Intelligence for IoT Services in Cloud: Techniques & Applications", Dr B R Ambedkar National Institute of Technology, Jalandhar, 28 Feb. – 4 Mar. 2022
8. 5 – Days Online FDP on "NBA Accreditation and Teaching Learning in Engineering", Narasu's Saradhy Institute Of Technology, Salem, 21 – 25 Feb. 2022
9. AICTE-ISTE Sponsored Six Days Online Induction / Refresher Program on "Pedagogy Workshop on Innovative Teaching & Learning", Gandhi Institute For Technology (GIFT) – Bhubaneswar, 4 – 10 Jan. 2022
10. AICTE – ISTE approved Orientation / Refresher Programme on " Design Thinking Pedagogical Training", GRIET, Hyderabad, 16 – 22 Dec. 2021
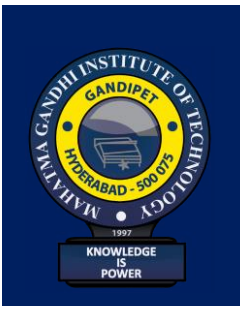
11. AICTE – ISTE approved Orientation / Refresher Programme on " Data Analytics Treasure & Big Data Visualization in AR & VR", RMD Engg. College, 10 – 16 Dec. 2021
12. AICTE – ISTE approved Orientation / Refresher Programme on " IoT and Machine Learning", JNTUACEA, 3 – 9 Dec. 2021
13. National Workshop on " Examination Reforms", Chitkara Univ. & AICTE, 8 – 10 Nov. 2021
14. National Workshop on " Expertising ML & DL Concepts", St. Ann's Coll. For Women & WILEY, 21 – 23 Oct. 2021
15. FDP on " Cyber Security Applications and Opportunities for Start-ups in Digital Era", NMIT – Bangalore, 4 – 8 Oct. 2021
16. 6 - Day International FDP on "Emerging Research Advances & Trends in Intelligent Knowledge Engg Systems", Sri Sairam Inst. of Tech., Chennai, 30 Sep.-06 Oct. 2021
17. ATAL FDP on "Foundation of Datascience & It's Applications", Indira Gandhi Delhi Technical University for Women, 6 – 10 Sep. 2021
18. ATAL FDP on "Design Thinking", NIT, Arunachal Pradesh, 23 – 27 Aug. 2021
19. International STTP on " Blockchain for Digital Transformation", CBIT, Hyderabad, 12 – 16 Aug. 2021
20. STTP on "Data Science and Big Data Analytics", AICTE & Indo Global College of Engineering, New Chandigarh, 26 – 31 July 2021
21. ATAL FDP on "Best Teaching Learning and Assessment Practices in Computer Science / Information Technology based on NEP", Sri Jayachamarajendra College of Engg., Univ.of Mysore, 5 – 9 July 2021
22. ATAL FDP on "IoT", , Univ. Of Jammu, 1 – 5 June 2021
23. Two Week AICTE sponsored FDP on "Recent Trends in Networking & Security" from, at VNRVJIET, Hyderabad, 13 – 26 June 2021
24. 3 – Day FDP on "Applications of ML & Data Science in the Emerging Areas", by JNTUH TEQUIP – III & VJIT – Hyderabad, 8 – 20 Feb. 2021
25. ATAL Online FDP on "Blockchain", CBIT – Hyderabad, 4 – 8 Jan. 2021
26. AICTE sponsored two week online FDP on "Reliability Engineering and System Safety", Vishnu Inst. Of Tech., Bhimavaram, 7 – 19 Dec. 2020
27. AICTE Sponsored Two Weeks Online FDP on "Ideas and Innovations in Blockchain Architecture, Technology and its Research Applications", Syed Ammal , 16 – 29 Nov. 2020., College
28. ATAL FDP on "AR & VR", CBIT – Hyderabad, 26 – 30 Oct. 2020
29. ATAL FDP On "Blended Learning & Flipped Classroom", National Institute of Technical Teachers Training & Research, Chandigarh, 7 – 11 Sep. 2020
30. ATAL One Week International FDP on "Recent Trends in Computer Science & IT", Raj Kumar Goel Institute of Technology, Ghaziabad, U.P, 13 – 17 July 2020
31. One week International FDP on "Gateway to Innovation", 22–26 June 2020 by ICS College –Maharashtra
32. FDP on "IoT", by University Institute of Engg., & Tech., HARYANA, 27 Apr. – 1 May 2020
33. FDP on "Entrepreneurship", 22 April – 4 May 2013 by MGIT, Hyderabad
34. Two Weeks International STTP on "Computational Techniques & Applications in Bioinformatics", organized by MVSR Engg. College, Hyderabad, 13 – 25 Sep. 2021
35. AICTE Sponsored one week STTP on "Next Generation Wireless Technologies: 5G and beyond", 16 – 21 Aug. 2021 by Indo Global Coll. Of Engg., New Chandigarh
36. Five Day International STTP on "Blockchain for Digital Transformation", 12 – 16 Aug. 2021 organized by CBIT, Hyderabad
37. One Week STTP On "Deep Learning For Computer Vision Medical Applications", 22 – 27 Mar. 2021 by Narasaraopeta Engineering College, Narasaraopet, A.P
38. AICTE Sponsored One Week Online STTP Phase III on "SciLab: An Effective Open Source Tool for Computer Vision and Machine Learning", 1 – 6 Mar. 2021 by VJIT (Autonomous), Hyderabad in association with AICTE
39. AICTE Sponsored 6 Days Virtual STTP on "Internet of Things (IoT) and it's Applications", 8 – 13 Feb. 2021 by New Horizon College of Engineering, Bengaluru,
40. AICTE Sponsored 1 Week Online STTP On "Blockchain Technology & Its Applications", 25 – 30 Jan. 2021 by SWEC, Hyderabad
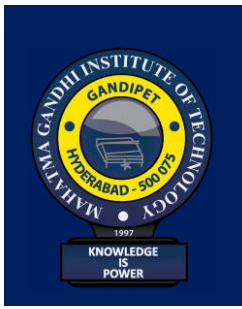
41. AICTE sponsored online STTP on "Deep Learning Techniques for Ambient Intelligence and Smart Environment - III", 7 – 12 Dec. 2020 by RMD Engg., College, Tiruvallur
42. AICTE Sponsored online STTP on "Demystifying Blockchain Technology & Cyber Security Threats: Issues and Challenges", 30 Nov. – 5 Dec. 2020 by S.A.Engg College
43. International Short Term Training Program on "Deep Learning Applications", 19 – 23 Oct. 2020 by Sri Venkateswara College of Engineering, Sriperumbudur

Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. AICTE – ISTE approved Orientation/Refresher Programme on "Emerging Trends on IoT", 6 – 12 April 2021 by Guru Nanak Institutions Technical Campus, Telangana
2. Six Days AICTE – ISTE Refresher Program on "Intelligent Learning", 17 – 23 Feb. 2021 by ANITS, Vizag
3. AICTE - ISTE Induction/R efresher Programme on "Best Educational Practices", 14 – 19 Dec. 2020 by Thiagarajar Polytechnic College, Salem
4. One Week Online Refresher Program Approved by AICTE & ISTE, New Delhi on "Programming In Internet Of Things", 23 – 28 Nov. 2020 by JNTUCEH, Jagtial
5. Two Weeks Refresher Course on "DESIGN THINKING", 26 Oct – 07 Nov 2020 by Kurukshetra Univ. & ESCI
6. AICTE-ISTE approved Induction/Refresher program on "Artificial Intelligence Based Internet of Things", 26 Nov – 01 Dec 2018 by CBIT – Hyderabad
7. Two Week STTP/Refresher Course on "Emerging Trends in Mobile and Cloud Computing from 29 Dec.2014 – 9 Jan.2015 at CBIT
8. International Workshop on " Building Data Driven Solution using Data Analytics with ML & DL Algorithms", 24 – 28 June 2021 by CBIT, Hyderabad
9. Workshop on "Entrepreneurship as a Career Opportunity", 18 June 2021 by Guru Nanak Khalsa Engg. Coll., Yamuna Nagar
10. 1-Day Workshop on "Data Analysis in R using STATCRAFT", 6 Mar. 2021, B.K. School of Professional & Mgt. Studies, Gujarat University & STATCRAFT
11. 1- Week Online Workshop on "E-Content", 24 Feb–01 Mar.2021 by BIET – Hyderabad
12. 1-Day International E- Work Shop ON "Role Of Artificial Intelligence In Industrial Automation And Agriculture" , 21 Aug. 2020 by Adikavi Nannaya University MSN campus, Kakinada, Andhra Pradesh, India.
13. 2–Day Workshop on "Machine Learning in Computer Vision Applications", 12–13 May 2020 by Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur
14. Workshop on "Adoption of Technology in Teaching and Learning " from 5 – 6 July, 2017 at IT Department, MGIT
15. Two Day Workshop on "Android Application Development", during 22 – 23 July, 2016 by Pantech Pro. at IT Department, MGIT
16. Two Day Workshop on "Intelligence and Security Informatics" during 24 – 25 July, 2015 at CBIT
17. National Level Workshop on "Next Generation Devices and Computing" during 28 – 29 Nov., 2014 at CBIT
18. One Day Workshop on JNTUH e-Learning Solutions and Two-Way HD Delivery Mechanism for Teachers & Students (eLSDM) on 31July, 2014 at RRS College of Engineering and Technology
19. 2 Day workshop on "Research Opportunities in Computer Science & Information Technology" From 6 – 7 Feb. 2013 at CBIT, Hyderabad
20. 3 Day workshop on "Data Mining &Its Applications" from 29 June to 1 July 2011at GNITS, Hyderabad
21. International Webinar on "Cloud Computing – An Overview by Technology Architect", 26 Aug. 2021 by Chalapathi Inst. Of Engg., & Tech., Guntur
22. Webinar on "NEP 2020: Quality Education, Accreditation and Teacher Development", 6 Aug. 2021 by PSNA Coll. Of Engg., & Tech., Dindigul
23. International Webinar on "Exploring Realtime Technology", 31 May 2021 by Mohamed Sathak AJ Coll. Of Engg., Chennai
24. Webinar on "Patent Drafting and Technical Article Writing", 26 April 2021 by Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram

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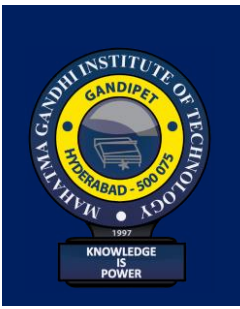- Patents – 1
- Books – 1
- Honors/Awards - 3

EVENTS:

- Organized - 10
- Attended - 78

25. International Webinar on "Introduction to Python Programming & Machine learning", 13 Nov. 2020 by Sainox Technologies, New Delhi & Rajarajeswari Coll. Of Engg., Banglore

26. International Webinar on "Industrial IoT", 24 Oct. 2020 by Mohamed Sathak A J Coll.of Engg.

27. International Webinar on "Sustainable Technologies and Rural Development: A Gandhian Perspective", 31 Aug. 2020 by Tezpur University

28. International Webinar on "Mathematics is the brain of Engg.,&Tech.", 26 July 2020 by VBIT.

29. International Webinar on "Internet of Things and its Applications", 19 July 2020 by Ms. Padmavathy Jonnalagadda Electronics enthusiast and IOT solution provider – Chennai

30. International Seminar on "Network Seurity & Cryptography", 26 June 2021 by SRM Inst. Of Sci. & Tech., Chennai

31. National Level Seminar on "Implementation of National Education Policy-2020", 31 Mar. 2021 by JNTUH College Of Engineering, Jagtial in Collaboration with AICTE & ISTE

32. Virtual Seminar on "National Education Policy 2020: A Vision for Future India", 12 Mar. 2021 by Institute of Technology & Science, Ghaziabad in association with AICTE

33. 2 – Day National Seminar on "Deep Learning Techniques for Military Surveillance Applications", 2 – 3 Nov. 2020 by Kongu Engg., College & TNSCST

34. ISTE Sponsored One Day National Level Seminar on " Revolt in Eco – friendly Vehicle", 29 Sep. 2020 by IFET College of Engg., Villupuram – Chennai

35. Professional Lecture on " Data Mining in Cyber Crime – Detecting Fraud & Scam in Virtual World", 2 Oct. 2020 by IFSR

Online Certifications:

1. Online Course on "Elements of AI", 15 May 2021 by University of Helsinki
2. 5 – Week Course on "Foundations to Open Education OERs and Repositories", IEEE Educati Society through Coursera
3. Fundamentals of Network Communication", Univ. of COLORADO through Coursera
4. Grammar & Punctuation", UCI , Univ. of California through Coursera
5. Programming for Everbody(Getting Started with Python)", Univ.of MICHIGAN throu Coursera
6. NPTEL Course for "Computer Networks & Internet Protocol (12 weeks)" during Jan – Apr 20 with Continuous Online Assessment score of 91%.