



NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

REPORT – HANDS-ON WORKSHOP

DEPARTMENT OF MCA

(3rd February 2025)

Topic: Workshop on Python Pro: Advanced Techniques for Modern Developers

Date: 3rd February 2025

Timing: 2.00 PM .

Programme Co-ordinator:

Dr. N Mithili Devi,
Associate Professor,
Department of MCA.

Convenor: Dr. V. Asha,

Professor & Head
Department of MCA.

No. of participants: 40 (III MCA C)

Details of the Resource Persons:

Mr. Mohammed Yasin Harun,
Sr. Software Engineer
Oracle Cerner, Bangalore.

Profile of the Expert:

Mohammed Yasin Harun is a software and application developer with a Master's degree in Computer Applications (MCA) from Visvesvaraya Technological University. He has developed multiple projects, including web applications, steganography tools, and custom shells, showcasing expertise in Java, Python, C#, and web technologies. His technical skills extend to Adobe Photoshop, web design, AI, and data analytics, complemented by leadership and interpersonal abilities demonstrated through workshops and event organization. He has actively participated in various seminars, debates, and conferences, including the Indian Technology Congress and Python workshops at Reva University. His achievements include

serving as a student coordinator, workshop organizer, and TEDx graphic designer, alongside developing and maintaining a live website,

Poster:

The poster is for a workshop titled "Python Pro: Advanced Techniques for Modern Developers". It is organized by the Department of Master of Computer Applications at New Horizon College of Engineering. The workshop is scheduled for 03 February 2025, from 02:00 PM to 04:00 PM, in MCA Lab-1, for 3rd Sem Students. The Faculty Coordinator is Dr. N Mithili Devi, Associate Professor. The Convenor is Dr. Asha V, Professor & Head - MCA. The speaker is Mr. Mohammed Yasin Harun, Sr. Software Engineer, Oracle Corner, Bengaluru. The poster features the college logo and a portrait of the speaker.

NEW HORIZON
COLLEGE OF ENGINEERING

Department of Master of Computer Applications

Workshop

Python Pro: Advanced Techniques for Modern Developers

03 February 2025
02:00 PM - 04:00 PM
MCA Lab-1
3rd Sem Students

Faculty Coordinator
Dr. N Mithili Devi
Associate Professor

Convenor
Dr. Asha V
Professor & Head - MCA

Mr. Mohammed Yasin Harun
Sr. Software Engineer,
Oracle Corner, Bengaluru

Objective:

The objective of the session is :

1. Equip developers with in-depth knowledge of advanced Python features such as metaprogramming, concurrency, asynchronous programming.
2. Provide hands-on experience with real-world applications, including machine learning integration, API development, and automation
3. Enabling participants to apply advanced Python techniques in professional software development.

Content:

Introduction to Advanced Python, Metaprogramming and Decorators, Concurrency and Parallelism, Memory Management and Performance Optimization, Advanced Data Handling, API Development.

Summary of Content:


The workshop covered advanced Python techniques, including metaprogramming, concurrency, memory optimization, and secure coding practices to enhance performance and scalability. Participants gained hands-on experience with data handling, API development, automation, and machine learning integration using industry-standard tools.

Snapshot from the session:**Outcome:**

Participants gained expertise in advanced Python techniques, including metaprogramming, concurrency, and performance optimization, enabling them to write more efficient and scalable code. By the end of the workshop, attendees got equipped with best practices, security measures, and industry-relevant skills to enhance their software development capabilities.

Attendance:

List of MCA students attended:


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Department of MCA

Workshop on Python Pro: Advanced Techniques for Modern Developers

ATTENDANCE SHEET

Class: III MCA C Date: 03/02/2025

S. No.	USN	Name of Participant	Signature
1	1NH23MC122	Ravi Kumar	[Signature]
2	1NH23MC122	Satya Poyam	[Signature]
3	1NH23MC123	Tanujee Paul	[Signature]
4	1NH23MC123	Rashi Jain	[Signature]
5	1NH23MC154	Sushanth S.H.	[Signature]
6	1NH23MC168	Pranitha Kumar	[Signature]
7	1NH23MC157	Tapasa	[Signature]
8	1NH23MC164	Mukesh	[Signature]
9	1NH23MC156	[Signature]	[Signature]
10	1NH23MC126	Yathas M.E	[Signature]
11	1NH23MC128	[Signature]	[Signature]
12	1NH23MC127	Quanta Swamipriya	[Signature]
13	1NH23MC149	[Signature]	[Signature]
14	1NH23MC128	YESHWARDHAR T	[Signature]
15	1NH23MC125	SE-SADIK BASHA	[Signature]
16	1NH23MC134	Shashin Basu	[Signature]
S. No.	Name of Participant	Student/Staff	Signature


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Workshop on Python Pro: Advanced Techniques for Modern Developers

ATTENDANCE SHEET

Class: III MCA C Date: 03/02/2025

S. No.	USN	Name of Participant	Signature
17	1NH23MC145	[Signature]	[Signature]
18	1NH23MC133	[Signature]	[Signature]
19	1NH23MC122	[Signature]	[Signature]
20	1NH23MC126	[Signature]	[Signature]
21	1NH23MC126	[Signature]	[Signature]
22	1NH23MC150	[Signature]	[Signature]
23	1NH23MC137	[Signature]	[Signature]
24	1NH23MC141	[Signature]	[Signature]
25	1NH23MC127	[Signature]	[Signature]
26	1NH23MC122	[Signature]	[Signature]
27	1NH23MC127	[Signature]	[Signature]
28	1NH23MC127	[Signature]	[Signature]
29	1NH23MC127	[Signature]	[Signature]
30	1NH23MC127	[Signature]	[Signature]
31	1NH23MC127	[Signature]	[Signature]
32	1NH23MC151	[Signature]	[Signature]
S. No.	Name of Participant	Student/Staff	Signature

Department of MCA

Workshop on Python Pro: Advanced Techniques for Modern Developers

ATTENDANCE SHEET

Class : III MCA C

Date: 03/02 /2025

S. No.	USN	Name of Participant	Signature
33	1NH23MC143	Sneha. K. A	Sneha
34	1NH23MC130	Sanjitha. NS	Sanjitha
35	1NH23MC144	Sneha N	Sneha
36	1NH23MC146	Sowmya R	Sowmya
37	1NH23MC166	Vaishnavi	Vaishnavi
38	1NH23MC160	Tejaswini. V M	Tejaswini
39	1NH23MC167	Shama M. V	Shama
40	1NH23MC169	Vidya Sagar	Vidya
S. No.	Name of Participant	Student/Staff	Signature

Sample Feedback:

	A	B	C	D	E	F	G	H
	Form Responses 1							
#	Timestamp	USN	Name	Quality of the training content	Clarity of the presentation	Effectiveness of the examples depicted during the session.	Rate the relevance of the topic to future study and work.	Comments if any
2	2/3/2025 12:45:58	1NH23MC122	Rani Kumari	5	5	5	5	
3	2/3/2025 12:56:55	1NH23MC122	Rani Kumari	5	5	5	5	
4	2/3/2025 12:57:35	1NH23MC146	Sowmya R	4	4	4	4	
5	2/3/2025 12:58:47	1NH23MC166	Vaishnavi Ankad	4	4	4	4	
6	2/3/2025 12:59:10	1NH23MC151	Suman Fernandes	4	4	4	4	
7	2/3/2025 13:02:05	1NH23MC196	Shajeeth A B	5	5	5	5	
8	2/3/2025 13:06:00	1NH23MC181	Yashwanth TN	5	5	5	5	
9	2/3/2025 13:20:37	1NH23MC148	Sudeep Kumar AL	5	5	5	5	
10	2/3/2025 13:25:55	1NH23MC150	Sudharsan B	4	5	4	5	Good
11	2/3/2025 13:26:29	1NH23MC158	Svasthik shetty	5	5	5	5	Very informative
12	2/3/2025 13:27:25	1NH23MC179	Yathrik D Shetty	5	5	5	5	

1	Timestamp	USN	Name	Quality of the training content	Clarity of the presentation	Effectiveness of the examples depicted during the session.	Rate the relevance of the topic to future study and work.	Comments if any
13	2/3/2025 13:27:45	1NH23MC132	Saiya Priyam	4	4	3	3	No comments
14	2/3/2025 13:35:18	1NH23MC158	Tanusree Paul	5	5	5	5	
15	2/3/2025 13:35:49	1NH23MC144	Sneha N	5	4	5	5	
16	2/3/2025 13:36:12	1NH23MC125	Revathy K	4	4	4	4	
17	2/3/2025 13:37:42	1NH23MC157	Swasti Swanup Mishra	5	5	5	5	
18	2/3/2025 13:41:39	1NH23MC127	Sachin K B	5	4	4	3	Thank you
19	2/3/2025 13:43:24	1NH23MC135	Shaik Sadk Basha	5	5	5	4	
20	2/3/2025 13:56:11	1NH23MC168	Phanindra	5	5	5	5	
21	2/3/2025 15:03:12	1NH23MC126	Rohith	4	4	4	4	-
22	2/3/2025 16:09:36	1NH23MC154	Sushanth SM	5	5	5	5	Good
23	2/4/2025 11:22:10	1NH23MC100	Sanjitha NS	3	3	3	3	

1	Timestamp	USN	Name	Quality of the training content	Clarity of the presentation	Effectiveness of the examples depicted during the session.	Rate the relevance of the topic to future study and work.	Comments if any
27	2/4/2025 11:23:52	1NH23MC178	Yashwanth M B	5	5	5	5	
28	2/4/2025 11:24:04	1NH23MC176	Yashas M E	5	5	5	5	
29	2/4/2025 11:24:09	1NH23MC182	Yuvraj V	4	4	4	4	I was a good session
30	2/4/2025 11:24:12	1NH23MC160	Tejashwini Moganur	5	5	5	5	No Commentssss
31	2/4/2025 11:24:15	1NH23MC164	Mukesh Usadadiya	5	5	5	5	
32	2/4/2025 11:24:27	1NH23MC165	V. Gowtham	5	5	5	5	Good
33	2/4/2025 11:24:43	1NH23MC145	SOURAV KUMAR SHAW	5	5	5	5	.
34	2/4/2025 11:25:00	1NH23MC134	SHAIK KHASIM BASHA	5	5	5	5	
35	2/4/2025 11:25:19	1NH23MC199	TAPAN DAHAL	4	4	4	4	N/a
36	2/4/2025 11:26:59	1NH23MCA149	Sudhansu sahuo	4	4	4	4	
37	2/4/2025 11:27:00	1NH23MC149	Sneha	3	3	3	3	

Dr. N Mithili Devi
Faculty Co-ordinator

Dr. V. Asha
Head of Department, MCA