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MANIAMMAI**
INSTITUTE OF SCIENCE & TECHNOLOGY
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PROGRAMME REPORT ON

EduBridge: Learner for Learners - Series No. 1-Hands-on Workshop on “BACKEND MASTERY

Resource Person

**Mr. MOHAMMED SALMAN PARIES M III Year B.Sc. Data Science
Department of Informatics**

Organized by

INFORMATICS- PMIST



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Periyar Nagar, Vallam, Thanjavur - 613 403
Tamil Nadu, India. | www.pmu.edu

DEPARTMENT OF INFORMATICS

Faculty of Computing Science and Applications (FCSA)

EVENT REPORT

1.	Event Category (Seminar / FDP / STTP / Workshop / Conference /...)	EduBridge: Learner for Learners - Series No. 1
2.	Title of the Programme	“BACKEND MASTERY” (Software Development Training)
3.	Period: • Date (From ___ to ___) • Time	• 17 - 21, February 2025 • 2.00 PM to 4.00 PM
4.	Beneficiaries: • In-house / Others / Both • Students / Faculty / Staff	• In-house • Students
5.	NAAC / NBA / NIRF/ Others	Soft Skills and Awareness of trends in Technology
6.	Associated SDG(s)	4, 8, and 9
7.	Mode: • Offline / Online • Venue / Online Platform	• Offline • Charles Babbage Hall (PKC 204) • New Lab-2 (PKC 512)
8.	Coordinator(s) / Co-Coordinator(s)	Convener & Coordinator(s): Dr. A. Muthamizh Selvan Head and Associate Professor Department of Informatics Co-Coordinator(s): Mrs. S. Sarmathi, Asst. Prof Mrs. P. Seetha, Asst. Prof. Department of Informatics
9.	Resource Person(s)	M. Mohamed Salman Paris Student-III B.Sc. Data Science Software Developer Dept. of Informatics
10.	Number participants	• Female Students : 34 • Male Students : 18 • Total : 52

HANDS-ON WORKSHOP ON “BACKEND MASTERY”

The Department of Informatics organized a five-day training programme titled Hands-on Workshop on “Backend Mastery” from February 17-21, 2025 as an event of VISTA (Visionaries on Informatics in Science, Technology, and Analytics), the association of the Department of Informatics, aimed at equipping students with essential skills in Software Development, using JavaScript. The inaugural session featured a motivational address by the Faculty Dean, Prof. Dr. D. Maghesh Kumar, who emphasized the relevance of JS and appreciated the expertise of the resource person.

M. Mohamed Salman Paries, Student-III B.Sc. Data science, Software Developer, Dept. of Informatics conducted all five days of training with an engaging approach that combined theoretical concepts with practical exercises. The training fostered practical knowledge and enhanced problem-solving abilities in JS, POSTMAN, PostgreSQL scenarios. The training sessions were designed to equip students with essential skills in JavaScript programming, POSTMAN, REST, APIs and Software Development. The sessions were interactive, combining theory and practice, enabling participants to gain an experience with advanced JS concepts for Express for Software Development.

This initiative aligns with Sustainable Development Goals (SDGs), particularly SDG 4, 8 and 9 by fostering skill development and enhancing employability. The programme was convened and coordinated by Dr. A. Muthamizh Selvan, Head and Associate Professor and co-coordinated by Mrs. S. Sarmathi, Assistant Professor, with Mrs. P. Seetha, Assistant Professor, and all faculty and staff from the Department of Informatics.

Objectives

1. To familiarize students with JavaScript programming and its various applications.
2. To offer hands-on experience with JS, POSTMAN, Express, and APIs.
3. To develop skills in both Frontend and Backend Development for web applications.
4. To equip students for academic projects, internships, and future careers in web application development.

Activities Conducted

1. Lectures and training sessions on NodeJS and APIs conducted by M. Mohamed Salman Paries.
2. Hands-on exercises focused on developing web application tasks using JavaScript.



3. Interactive sessions on integrating the frontend and backend with POSTMAN and Express.
4. Practical implementation of web applications using POSTMAN methods in JavaScript.
5. Development of efficient REST APIs using Express.js.

Outcomes

1. Students gained a comprehensive understanding of JavaScript for web applications.
2. Acquired hands-on experience in building and evaluating JS-based solutions using POSTMAN and Express APIs.
3. Improved proficiency in web application development with JavaScript for frontend applications.
4. Enhanced skills in backend integration using JavaScript to create dynamic and interactive web applications.
5. Developed preparedness for academic projects, internships, and careers in web application development.



EVENT BROCHURE



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VISTA

An Association of Department of Informatics

Backend Mastery

Software Development Training Program

EduBridge: Learner for Learners - Series No. 1



Resource Person

M. Mohamed Salman Paris

Student - III B.Sc Data Science
Software Developer
Dept. of Informatics

Coordinators

**Mrs. S. Sarmathi,
Mrs. P. Seetha**

Assistant Professors
Dept. of Informatics

Convener

Dr. A. Muthamizh Selvan

Associate Professor & Head
Dept. of Informatics



CHARLES BABBAGE HALL (PKC 204)



17 - 21, FEBRUARY 2025



2.00 PM - 4.00 PM



POSTMAN



docker.



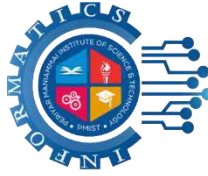
PostgreSQL



Prisma

An Event of VISTA (Visionaries of Informatics in Science, Technology & Analytics)
DEVsquad (Society of Informatics Club)

EVENT SCHEDULE



DEPARTMENT OF INFORMATICS

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17-02-2025 - 21-02-2025 (5-days)

02.00 pm - 04.00 pm @ Charles Babbage Hall (PKC 204)

PROGRAM SCHEDULE

Day 1: 17-02-2025 (Monday)

- 02.00 pm - Welcome address : **Mrs. S. SARMATHI**
Assistant Professor, Dept. of Informatics
- 02.00 pm - Felicitation address : **Dr. A. MUTHAMIZH SELVAN**
Head & Associate Professor in Informatics.
- 02.10 pm - Felicitation Address : **Dr. V. MAGHESH KUMAR**
Faculty Dean (FCSA), PMIST.
- 02.20 pm - Session I : **Introduction to JS, Express, REST, APIs,**
: **Postman**

Day 2: 18-02-2025 (Tuesday)

- 02.00 pm - Session II : **JavaScript Essential**

Day 3: 19-02-2025 (Wednesday)

- 02.00 pm - Session III : **Advanced JS concepts for Express**

Day 4: 20-02-2025 (Thursday)

- 02.00 pm - Session IV : **Designing a REST APIs using Express**

Day 5: 21-02-2025 (Friday)

- 02.00 pm - Session V : **Assessment on "Creating effective REST APIs using Express JS"**
- 04.00 pm - Vote of Thanks : **Mrs. P. SEETHA**
Assistant Professor
Dept. of Informatics

Thank You.

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 Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India

Hands-on Workshop on "BACKEND MASTERY" EduBridge: Learner for Learners

I MSc. Data Science

S.No	Name of the Student	17.02.2025	18.02.2025	19.02.2025	20.02.2025	21.02.2025
1.	JANANI S		<i>J.S</i>	<i>J.S</i>	<i>J.S</i>	<i>J.S</i>
2.	ELAKKIYA R	<i>R. Elakkiya</i>	<i>R. Elakkiya</i>	<i>R. Elakkiya</i>	<i>R. Elakkiya</i>	<i>R. Elakkiya</i>
3.	KAYALVIZHI.G	<i>G. Kayalvizhi</i>	<i>G. Kayalvizhi</i>	<i>G. Kayalvizhi</i>		<i>G. Kayalvizhi</i>
4.	YOGESWARAN.R	<i>R. Yogeswaran</i>	<i>R. Yogeswaran</i>	<i>R. Yogeswaran</i>		<i>R. Yogeswaran</i>
5.	ATCHAYA.P	<i>P. Atchaya</i>	<i>P. Atchaya</i>	<i>P. Atchaya</i>	<i>P. Atchaya</i>	<i>P. Atchaya</i>
6.	HARINI.S		<i>S. Harini</i>	<i>S. Harini</i>	<i>S. Harini</i>	<i>S. Harini</i>
7.	LOKESWARI L	<i>L. Lokeswari</i>	<i>L. Lokeswari</i>	<i>L. Lokeswari</i>	<i>L. Lokeswari</i>	<i>L. Lokeswari</i>
8.	ARUN S	<i>S. Arun</i>	<i>S. Arun</i>	<i>S. Arun</i>	<i>S. Arun</i>	<i>S. Arun</i>
9.	KARANESWERAN G	<i>G. Karaneswaran</i>	<i>G. Karaneswaran</i>	<i>G. Karaneswaran</i>	<i>G. Karaneswaran</i>	<i>G. Karaneswaran</i>
10.	SWATHI S	<i>S. Swathi</i>	<i>S. Swathi</i>	<i>S. Swathi</i>	<i>S. Swathi</i>	<i>S. Swathi</i>
11.	SUBHASHINI V		<i>V. Subhashini</i>	<i>V. Subhashini</i>	<i>V. Subhashini</i>	<i>V. Subhashini</i>

Co-ordinators

1. Mrs. Sarmathi S *S. Sarmathi*

2. Mrs. Seetha P *P. Seetha*

A. Muthamizh Selvan
 HOD

Dr. A. Muthamizh Selvan
 Head of the Department
 Department of Informatics
 Periyar Maniammai Institute of Science & Technology
 Periyar Nagar, Vallam, Thanjavur,
 TamilNadu - 613403, India.

Hands-on Workshop on "BACKEND MASTERY" EduBridge: Learner for Learners

III BSc. Data Science

S.No	Name of the Student	17.02.2025	18.02.2025	19.02.2025	20.02.2025	21.02.2025
1.	C. NANDHAKUMAR	<i>N. Chandrakumar</i>	<i>N. Chandrakumar</i>	<i>N. Chandrakumar</i>		<i>N. Chandrakumar</i>
2.	G. RAKESH	<i>G. Rakesh</i>	<i>G. Rakesh</i>	<i>G. Rakesh</i>	<i>G. Rakesh</i>	<i>G. Rakesh</i>
3.	M. KISHORE	<i>M. Kishore</i>	<i>M. Kishore</i>	<i>M. Kishore</i>	<i>M. Kishore</i>	<i>M. Kishore</i>
4.	M. MOHAMED SALMAN PARIS	<i>M. Mohamed Salman Paris</i>	<i>M. Mohamed Salman Paris</i>			

Co-ordinators

1. Mrs. Sarmathi S *S. Sarmathi*

2. Mrs. Seetha P *P. Seetha*

A. Muthamizh Selvan
 HOD

Dr. A. Muthamizh Selvan
 Head of the Department
 Department of Informatics
 Periyar Maniammai Institute of Science & Technology
 Periyar Nagar, Vallam, Thanjavur,
 TamilNadu - 613403, India.

S. Sarmathi

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 Madras under No. 12/1973-1982 and 1983
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**Hands-on Workshop on "BACKEND MASTERY" EduBridge: Learner for Learners
 I BSc. Data Science**

S.No	Name of the Student	17.02.2025	18.02.2025	19.02.2025	20.02.2025	21.02.2025
1.	K. FAYEETH		K. Fayeeth	K. Fayeeth	K. Fayeeth	K. Fayeeth
2.	M. MOHAMED HASIB	M. Mue.		M. Mue.	M. Mue.	M. Mue.
3.	M. GOKULAKRISHNAN	M. Gokul				
4.	N. NIJAS AHAMED	N. Nijas	N. Nijas	N. Nijas	N. Nijas	N. Nijas
5.	S. MOHAMED FAISAL					
6.	S. VINAYAGA					
7.	B. MUKESH KANNA	M.K.	M.K.	M.K.	M.K.	M.K.
8.	M. MOHAMED ABBAS	M. Mue.				
9.	A. RAJA RAJESHWARI	A. Rajeswari	A. Rajeswari	A. Rajeswari	A. Rajeswari	A. Rajeswari
10.	M. MEHASEEN	M. Mehasheen	M. Mehasheen	M. Mehasheen	M. Mehasheen	M. Mehasheen
11.	S. THASLEEMA YASMIN	S. Thasleema	S. Thasleema	S. Thasleema	S. Thasleema	S. Thasleema
12.	A. AFRAH	A. Afrah	A. Afrah	A. Afrah	A. Afrah	A. Afrah
13.	R. NIVETHA	R. Nivetha	R. Nivetha	R. Nivetha	R. Nivetha	R. Nivetha
14.	B. SHANMUGAPRIYA	B. Shanmuga	B. Shanmuga	B. Shanmuga	B. Shanmuga	B. Shanmuga
15.	S. AJAINA	S. Ajaina	S. Ajaina	S. Ajaina	S. Ajaina	S. Ajaina
16.	B. ARUNIKA	B. Arunika	B. Arunika	B. Arunika	B. Arunika	B. Arunika

(Handwritten signature)

S.No	Name of the Student	17.02.2025	18.02.2025	19.02.2025	20.02.2025	21.02.2025
17.	M. VIKRAM	<i>M. Vikram</i>				
18.	S. DHARSHINI	<i>S. Dharshini</i>	<i>S. Dharshini</i>	<i>S. Dharshini</i>	<i>S. Dharshini</i>	<i>S. Dharshini</i>
19.	S. SARITHRA	<i>S. Seetha</i>	<i>S. Saritra</i>	<i>S. Saritra</i>	<i>S. Seetha</i>	<i>S. Saritra</i>
20.	S. KOWSHIKA	<i>S. Kowshika</i>	<i>Kowshika.S</i>	<i>S. Kowshika</i>	<i>S. Kowshika</i>	<i>S. Kowshika</i>
21.	S. JANAKI	<i>Jan. S</i>	<i>Jan. S.</i>	<i>Jan. S</i>	<i>Jan. S</i>	<i>Jan. S</i>
22.	V. BRINDHASREE	<i>V. Brindha</i>	<i>V. Brindha</i>	<i>V. Brindha</i>		<i>V. Brindhasree</i>
23.	S. KRISHNAVENI	<i>S. Krish.</i>	<i>S. Krish.</i>	<i>S. Krish.</i>		<i>S. Krish.</i>
24.	S. DHAARANI	<i>S. Dhaa</i>	<i>S. Dhaa</i>	<i>S. Dhaa</i>	<i>S. Dhaa</i>	<i>S. Dhaa</i>
25.	J. AFSAL			<i>J. Afsal</i>		
26.	L. HARINI	<i>L. Harini</i>	<i>L. Harini</i>	<i>L. Harini</i>	<i>L. Harini</i>	
27.	M. ABDUL HAALIK					
28.	M. DHARSHINI BAI		<i>Dharshini. M</i>	<i>Dharshini. M</i>	<i>Dharshini. M</i>	<i>Dharshini. M</i>
29.	S. MAHALAKSHMI	<i>S. Mahalakshmi</i>	<i>S. Mahalakshmi</i>	<i>S. Mahalakshmi</i>	<i>S. Mahalakshmi</i>	<i>S. Mahalakshmi</i>
30.	S. AARTHI	<i>S. Arathi</i>	<i>S. Arathi</i>	<i>S. Arathi</i>	<i>S. Arathi</i>	<i>S. Arathi</i>
31.	K. HEMARANJINI	<i>Hema. K</i>	<i>Hema. K</i>	<i>Hema. K</i>	<i>Hema. K</i>	<i>Hema. K</i>
32.	R. VEERASHAKTHIVEL	<i>R. Veer</i>				
33.	M. AARIFFA THASNEEM	<i>M. Aariffa</i>	<i>M. Aariffa</i>	<i>M. Aariffa</i>	<i>M. Aariffa</i>	<i>M. Aariffa</i>
34.	G. MADHUMITHA	<i>G. Madhu</i>	<i>G. Madhu</i>	<i>G. Madhu</i>	<i>G. Madhu</i>	<i>G. Madhu</i>
35.	G. ASHIKA	<i>G. Ashika</i>	<i>G. Ashika</i>	<i>G. Ashika</i>	<i>G. Ashika</i>	<i>G. Ashika</i>
36.	SRIDHARAN.M					
37.	VINAYAGA.S	<i>S. Vinayaga</i>				

S.No	Name of the Student	17.02.2025	18.02.2025	19.02.2025	20.02.2025	21.02.2025
38.	M. GOKULAKRISHNAN	<i>M. Gokul</i>				
39.	S. SARAVANAN	<i>S. Saravanan</i>	<i>S. Saravanan</i>	<i>S. Saravanan</i>		
40.	R. JEEVA	<i>R. Jeeva</i>				

Co-ordinators

1. Mrs. Sarmathi S *S. Sarmathi*

2. Mrs. Seetha P *P. Seetha*

A.M.
HOD

Dr. A. Muthamiz Selvan

Head of the Department
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Pattar Nagar, Vallam, Thanjavur,
TamilNadu - 613403, India.

A.M.

EVENT FOOTAGES



Day 1: 17-02-2025



Day 1: 17-02-2025



Day 2: 18-02-2025



Day 2: 18-02-2025



Day 3: 19-02-2025



Day 3: 19-02-2025



Day 4: 20-02-2025



Day 4: 20-02-2025



Day 5: 21-02-2025



Day 5: 21-02-2025

P. Seetha
Co-coordinator
Mrs. P. SEETHA

S. Sarmathi
Co-coordinator
Mrs. S. SARMATHI

Dr. A. Muthamizh Selvan
Coordinator and Head
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Head of the Department
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TamilNadu - 613403, India.

Dr. A. Muthamizh Selvan