



Sai SAI RAM INSTITUTE OF TECHNOLOGY

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Sai Leo Nagar, West Tambaram, Chennai - 600 044. www.sairamit.edu.in



1.3.1 Institution integrates crosscutting issues relevant to Professional ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

S.No	PROGRAMME CODE	COURSE CODE	COURSE NAME
1.	105,205	GE8076	Professional Ethics in Engineering
2.	205	OCE751	Environmental and Social Impact Assessment
3.	105	GE8074	Human Rights
4.	104,106	GE8291	Environmental Science And Engineering

PRINCIPAL

Dr.K.PALANI KUMAR
PRINCIPAL

SRI SAIRAM INSTITUTE OF TECHNOLOGY
SAI LEO NAGAR, CHENNAI - 600 044.

OBJECTIVES:

- The student should be able to apply ethics in society.
- To Discuss the ethical issues related to engineering and realize the responsibilities.
- To Learn about Rights of Engineers in the society.
- To learn about Intellectual property rights (IPR) and to get knowledge about Patents obtaining
- To learn about corporate working environment, and work ethics

UNIT I HUMAN VALUES

10

Morals, values and Ethics – Integrity – Work ethic – Service learning – Civic virtue – Respect for others – Living peacefully – Caring – Sharing – Honesty – Courage – Valuing time – Cooperation – Commitment – Empathy – Self confidence – Character – Spirituality – Introduction to Yoga and meditation for professional excellence and stress management.

UNIT II ENGINEERING ETHICS

9

Senses of 'Engineering Ethics' – Variety of moral issues – Types of inquiry – Moral dilemmas – Moral Autonomy – Kohlberg's theory – Gilligan's theory – Consensus and Controversy – Models of professional roles - Theories about right action – Self-interest – Customs and Religion – Uses of Ethical Theories.

UNIT III ENGINEERING AS SOCIAL EXPERIMENTATION

9

Engineering as Experimentation – Engineers as responsible Experimenters – Codes of Ethics – A
Balanced Outlook on Law.

UNIT IV SAFETY, RESPONSIBILITIES AND RIGHTS

9

Safety and Risk – Assessment of Safety and Risk – Risk Benefit Analysis and Reducing Risk - Respect for Authority – Collective Bargaining – Confidentiality – Conflicts of Interest – Occupational Crime – Professional Rights – Employee Rights – Intellectual Property Rights (IPR) – Discrimination. UNIT V
GLOBAL ISSUES 8

Multinational Corporations – Environmental Ethics – Computer Ethics – Weapons Development – Engineers as Managers – Consulting Engineers – Engineers as Expert Witnesses and Advisors – Moral Leadership – Code of Conduct – Corporate Social Responsibility.

TOTAL: 45 PERIODS

TEXT BOOKS:

1. Mike W. Martin and Roland Schinzinger, "Ethics in Engineering", Tata McGraw Hill, New Delhi, 2003.
2. Govindarajan M, Natarajan S, Senthil Kumar V. S, "Engineering Ethics", Prentice Hall of India, New Delhi, 2004.

REFERENCES:

1. Charles B. Fleddermann, "Engineering Ethics", Pearson Prentice Hall, New Jersey, 2004.
2. Charles E. Harris, Michael S. Pritchard and Michael J. Rabins, "Engineering Ethics – Concepts and Cases", Cengage Learning, 2009.
3. John R Boatright, "Ethics and the Conduct of Business", Pearson Education, New Delhi, 2003



4. Edmund G Seebauer and Robert L Barry, "Fundamentals of Ethics for Scientists and Engineers", Oxford University Press, Oxford, 2001.
5. Laura P. Hartman and Joe Desjardins, "Business Ethics: Decision Making for Personal Integrity and Social Responsibility" Mc Graw Hill education, India Pvt. Ltd., New Delhi, 2013.
6. World Community Service Centre, ' Value Education', Vethathiri publications, Erode, 2011.

OUTCOMES:

- To acquire the basic knowledge of human values, moral, ethics, industrial standards, code of ethics and role of professional ethics in engineering field.
- To have an awareness of professional rights and responsibilities of an engineer, and to have an understanding for safety and risk benefit analysis.
- To imbibe the various ethical theories developed and apply them for a professional and societal advancement.
- To imbibe adequate knowledge about the culture & the value system adopted by MNC's, local business houses and to create an ethical based work environment.
- To understand and solve the employees' conflict & grievances in an amicable and ethical way.
- Formulate and provide solutions to overcome ethical issues for win-win outcome.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3			1	1	3	2	2		2	2	3
CO2	2	2	2			1	1	3	2	2		2	2	2
CO3	2	1	1			1	1	3	2	2		2	2	3
CO4	2	2	2			1	1	3	2	2		2	2	2
CO5	2	1	1			1	1	3	2	2		2	2	3
CO6	2	1	1			1	1	3	2	2		2	2	3

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OBJECTIVES:

- To understand the basic concepts of EIA
- To assess various environmental impacts
- To understand the process of report preparation
- To understand the socio economic impacts

UNIT I	INTRODUCTION	9
Impacts of Development on Environment – Rio Principles of Sustainable Development- Environmental Impact Assessment (EIA) – Objectives – Historical development – EIA Types – EIA in project cycle –EIA Notification and Legal Framework.		
UNIT II	ENVIRONMENTAL ASSESSMENT	9
Screening and Scoping in EIA – Drafting of Terms of Reference, Baseline monitoring, Prediction and Assessment of Impact on land, water, air, noise, flora and fauna - Matrices – Networks – Checklist Methods - Mathematical models for Impact prediction.		
UNIT III	ENVIRONMENTAL MANAGEMENT PLAN	9
Plan for mitigation of adverse impact on water, air and land, water, energy, flora and fauna – Environmental Monitoring Plan – EIA Report Preparation – Public Hearing-Environmental Clearance		
UNIT IV	SOCIO ECONOMIC ASSESSMENT	9
Baseline monitoring of Socio economic environment – Identification of Project Affected Personal – Rehabilitation and Resettlement Plan- Economic valuation of Environmental impacts – Cost benefit Analysis-		
UNIT V	CASE STUDIES	9
EIA case studies pertaining to Infrastructure Projects – Roads and Bridges – Mass Rapid Transport Systems - Airports - Dams and Irrigation projects - Power plants.		

TOTAL : 45 PERIODS**TEXT BOOKS:**

1. Canter, R.L, "Environmental impact Assessment ", 2nd Edition, McGraw Hill Inc, New Delhi, 1995.
2. Lohani, B., J.W. Evans, H. Ludwig, R.R. Everitt, Richard A. Carpenter, and S.L. Tu, "Environmental Impact Assessment for Developing Countries in Asia", Volume 1 – Overview, Asian Development Bank, 1997.
3. Peter Morris, Riki Therivel "Methods of Environmental Impact Assessment", Routledge Publishers, 2009.

REFERENCES:

1. Becker H. A., Frank Vanclay, "The International handbook of social impact assessment" conceptual and methodological advances, Edward Elgar Publishing, 2003.
2. Barry Sadler and Mary McCabe, "Environmental Impact Assessment Training Resource Manual", United Nations Environment Programme, 2002.



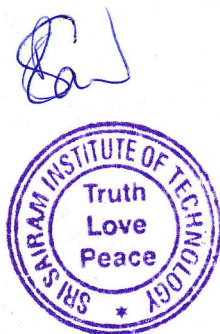
3. Judith Petts, "Handbook of Environmental Impact Assessment Vol. I and II", Blackwell Science New York, 1998.
4. Ministry of Environment and Forests EIA Notification and Sectoral Guides, Government of India, New Delhi, 2010.

OUTCOMES:

The students completing the course will have ability to

- carry out scoping and To screening of developmental projects for environmental and social assessments
- able to explain different methodologies for environmental impact prediction and assessment
- able to plan environmental impact assessments and environmental management plans
- to evaluate environmental impact assessment reports
- to understand the impacts of projects on environment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSC
CO1					3	2		2	2	2				
CO2	1							2	1	1		2	2	
CO3	1					2		2	2	3		2	2	
CO4								3				2	2	
CO5					2	2		3	2	2		2	2	
CO6					3	2		2	2	2				



OBJECTIVES :

- To sensitize the Engineering students to various aspects of Human Rights.

UNIT I

Human Rights – Meaning, origin and Development. Notion and classification of Rights – Natural, Moral and Legal Rights. Civil and Political Rights, Economic, Social and Cultural Rights; collective / Solidarity Rights. 9

UNIT II

Evolution of the concept of Human Rights Magna carta – Geneva convention of 1864. Universal Declaration of Human Rights, 1948. Theories of Human Rights. 9

UNIT III

Theories and perspectives of UN Laws – UN Agencies to monitor and compliance. 9

UNIT IV

Human Rights in India – Constitutional Provisions / Guarantees. 9

UNIT V

Human Rights of Disadvantaged People – Women, Children, Displaced persons and Disability persons, including Aged and HIV Infected People. Implementation of Human Rights – National and State Human Rights Commission – Judiciary – Role of NGO's, Media, Educational Institutions, Social Movements. 9

TOTAL : 45 PERIODS

REFERENCES:

- Kapoor S.K., "Human Rights under International law and Indian Laws", Central Law Agency, Allahabad, 2014.
- Chandra U., "Human Rights", Allahabad Law Agency, Allahabad, 2014.
- Uppendra Baxi, The Future of Human Rights, Oxford University Press, New Delhi.

COURSE OUTCOMES

- Recognize the human rights and its types(K1)
- Describe the concepts of human rights belongs to everybody(K2)
- Select the appropriate laws for rights and responsibilities(K2)
- Explain the Constitutional Provisions Involved in Human Rights(K2)
- Interpret the usage of Human Rights for Special Category People(K2)
- Explain the contribution of Society developing organizations towards Human Rights(K2)



CO - PO, PSO MAPPING

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11	P12	PSO1	PSO2
CO1	2	2	2	-	-	-	1	-	-	-	-	1	2	1
CO2	2	2	2	-	-	-	1	-	-	-	-	1	2	1
CO3	2	2	2	-	1	-	-	-	-	-	-	1	2	1
CO4	2	2	2	-	1	-	-	-	-	-	-	1	2	1
CO5	2	2	2	-	1	-	-	-	-	-	-	1	2	1
CO6	2	2	2	-	1	-	1	-	-	-	-	1	2	1

OBJECTIVES:

- To study the nature and facts about environment.
- To finding and implementing scientific, technological, economic and political solutions to environmental problems.
- To study the interrelationship between living organism and environment.
- To appreciate the importance of environment by assessing its impact on the human world; envision the surrounding environment, its functions and its value.
- To study the dynamic processes and understand the features of the earth's interior and surface.
- To study the integrated themes and biodiversity, natural resources, pollution control and waste management.

UNIT I ENVIRONMENT, ECOSYSTEMS AND BIODIVERSITY 14

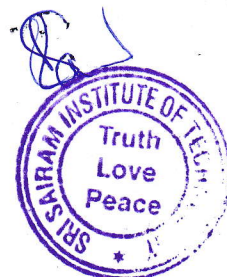
Definition, scope and importance of environment – need for public awareness - concept of an ecosystem – structure and function of an ecosystem – producers, consumers and decomposers – energy flow in the ecosystem – ecological succession – food chains, food webs and ecological pyramids – Introduction, types, characteristic features, structure and function of the (a) forest ecosystem (b) grassland ecosystem (c) desert ecosystem (d) aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries) – Introduction to biodiversity definition: genetic, species and ecosystem diversity – biogeographical classification of India – value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values – Biodiversity at global, national and local levels – India as a mega-diversity nation – hot-spots of biodiversity – threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts – endangered and endemic species of India – conservation of biodiversity: In-situ and ex-situ conservation of biodiversity. Field study of common plants, insects, birds; Field study of simple ecosystems – pond, river, hill slopes, etc.

UNIT II ENVIRONMENTAL POLLUTION 8

Definition – causes, effects and control measures of: (a) Air pollution (b) Water pollution (c) Soil pollution (d) Marine pollution (e) Noise pollution (f) Thermal pollution (g) Nuclear hazards – solid waste management: causes, effects and control measures of municipal solid wastes – role of an individual in prevention of pollution – pollution case studies – disaster management: floods, earthquake, cyclone and landslides. Field study of local polluted site – Urban / Rural / Industrial / Agricultural.

UNIT III NATURAL RESOURCES 10

Forest resources: Use and over-exploitation, deforestation, case studies- timber extraction, mining, dams and their effects on forests and tribal people – Water resources: Use and over- utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems – Mineral resources: Use and exploitation, environmental effects of extracting and using mineral resources, case studies – Food resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity, case studies – Energy resources: Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources. case studies – Land resources: Land as a resource, land degradation, man induced landslides, soil erosion and desertification – role of an individual in



conservation of natural resources – Equitable use of resources for sustainable lifestyles. Field study of local area to document environmental assets – river / forest / grassland / hill / mountain.

UNIT IV SOCIAL ISSUES AND THE ENVIRONMENT 7

From unsustainable to sustainable development – urban problems related to energy – water conservation, rain water harvesting, watershed management – resettlement and rehabilitation of people; its problems and concerns, case studies – role of non-governmental organization- environmental ethics: Issues and possible solutions – climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust, case studies. – wasteland reclamation – consumerism and waste products – environment production act – Air (Prevention and Control of Pollution) act – Water (Prevention and control of Pollution) act – Wildlife protection act – Forest conservation act – enforcement machinery involved in environmental legislation- central and state pollution control boards- Public awareness.

UNIT V HUMAN POPULATION AND THE ENVIRONMENT 6

Population growth, variation among nations – population explosion – family welfare-programme – environment and human health – human rights – value education – HIV / AIDS – women and child welfare – role of information technology in environment and human health – Case studies.

TOTAL: 45 PERIODS

OUTCOMES:

- Environmental Pollution or problems cannot be solved by mere laws. Public participation is an important aspect which serves the environmental Protection. One will obtain knowledge on the following after completing the course.
- Public awareness of environmental is at infant stage.
- Ignorance and incomplete knowledge has lead to misconceptions
- Development and improvement in std. of living has lead to serious environmental disasters

TEXTBOOKS:

1. Benny Joseph, Environmental Science and Engineering, Tata McGraw-Hill, New Delhi, 2006.
2. Gilbert M.Masters, Introduction to Environmental Engineering and Science, 2nd edition, Pearson Education, 2004.

REFERENCES :

1. Dharmendra S. Sengar, Environmental law, Prentice hall of India PVT LTD, New Delhi, 2007.
2. Erach Bharucha, —Textbook of Environmental Studies, Universities Press(I) PVT, LTD, Hyderabad, 2015.
3. Rajagopalan, R, Environmental Studies-From Crisis to Cure, Oxford University Press, 2005.
4. G. Tyler Miller and Scott E. Spoolman, —Environmental Sciencel, Cengage Learning India PVT, LTD, Delhi, 2014.



OUTCOMES

- Develop Java programs using OOP principles
- Develop Java programs with the concepts inheritance and interfaces
- Build Java applications using exceptions and I/O streams
- Develop Java applications with threads and generics classes
- Develop interactive Java programs using swings
- Design and build simple Graphical User Interfaces

CO - PO, PSO MAPPING

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	3	0	0	0	0	0	0	0	0	0	0	0
CO2	2	2	3	0	3	0	0	0	0	0	0	1
CO3	2	2	3	0	3	0	0	0	0	0	0	1
CO4	2	2	3	0	3	0	0	0	0	0	1	1
CO5	2	2	3	3	3	0	0	0	0	0	0	1
CO6	2	2	3	3	3	0	0	0	0	0	0	1



CCNA Routing and Switching: Introduction to Networks

The student has successfully achieved student level credential for completing CCNA Routing and Switching: Introduction to Networks course administered by the undersigned instructor. The student was able to proficiently:

- Explain network technologies.
- Explain how devices access local and remote network resources.
- Describe router hardware.
- Explain how switching operates in a small to medium-sized business network.
- Design an IP addressing scheme to provide network connectivity for a small to medium- sized business network.
- Configure initial settings on a network device.
- Implement basic network connectivity between devices.
- Configure monitoring tools available for small to medium-sized business networks.

VENKATESH M

Student

SRI SAI RAM INSTITUTE OF TECHNOLOGY

Academy Name

India

Location

31 Aug 2021

Date



Laura Quintana
VP & General Manager, Cisco Networking Academy

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Harini S

Student

SRI SAI RAM INSTITUTE OF TECHNOLOGY

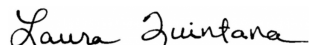
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Harini S

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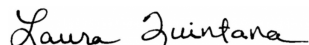
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Reethika .M Maharajan

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Yashwanth Krishna

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Academy Name

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Shalini M

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Academy Name

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Location

31 Aug 2021

Date

ASHOK P

Instructor

Instructor Signature



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CERTIFICATE OF APPRECIATION

Date: 29.12.2021

This certificate is presented to

Mr/Ms. JEYA SUDIKSHAA. M.M /CSE

In recognition of his/her continuous contribution and dedication

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Dr. B. Latha
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Dean - TAP Cell

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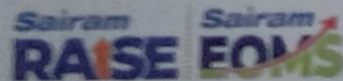


[Signature]
Dr. B. Latha
Dean-Skill Development

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Dr. L. Arunachalam
Dean - TAP Cell

[Signature]
Dr. K. Palanikumar
Principal

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Certificate of Completion

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31-Jan-2022

Verification URL: www.skillrack.com/cert/267594/TZZ





Certificate Of Achievement

Awarded to
Ram Sandeep A

In Recognition of Successful Completion of
Certified Pega Senior System Architect

Awarded on
January 31, 2022



A handwritten signature in black ink, reading "Alan Treffer".

Alan Treffer
Chairman and Chief Executive Officer



Certificate Of Achievement

Awarded to
Ram Sandeep A

In Recognition of Successful Completion of
Certified Pega Senior System Architect

Awarded on
January 31, 2022



A handwritten signature in black ink, reading "Alan Treffer".

Alan Treffer
Chairman and Chief Executive Officer



CERTIFICATE OF ACHIEVEMENT

Awarded To
Iswarya T

In Recognition of Successful Completion of
Pega Certified System Architect 8.4

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01-Jul-2021




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Chairman and Chief Executive Officer



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Iswarya T

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Awarded on
31-Jan-2022




Alan Trefler
Chairman and Chief Executive Officer



Red Hat, Inc. hereby certifies that

ASHWIN G

has successfully completed all the program requirements and is certified as a

RED HAT CERTIFIED SYSTEM ADMINISTRATOR

Red Hat Enterprise Linux 8

A handwritten signature in black ink, appearing to read "RRR", written over a light gray background.

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

AUGUST 26, 2022 - CERTIFICATION ID: 220-086-375

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has successfully completed all the program requirements and is certified as a

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Red Hat Enterprise Linux 8

A handwritten signature in black ink, appearing to read "RR Russell".

RANDOLPH R. RUSSELL

DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

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SYSTEM
ADMINISTRATOR





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Red Hat Enterprise Linux 8

A handwritten signature in black ink, appearing to read "RR Russell".

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Certificate No. : Tessolve/CBE/2022-23/716

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

RAJESH S

has Successfully Completed the Certification Course

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Certificate No. : Tessolve/CBE/2022-23/684

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Srinivas Chinamilli

Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

RISHI RITVIK RAJ A

has Successfully Completed the Certification Course

VLSI - Design & Verification

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From 22-03-2022 to 28-03-2022

Certificate No. : Tessolve/CBE/2022-23/685

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

RITHIKA P

has Successfully Completed the Certification Course

VLSI - Design & Verification

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Certificate No. : Tessolve/CBE/2022-23/686

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Srinivas Chinamilli

Srinivas Chinamilli
CEO

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Certificate No. : Tessolve/CBE/2022-23/687

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

SAI RAMA KRISHNAN V

has Successfully Completed the Certification Course

VLSI - Design & Verification

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Certificate No. : Tessolve/CBE/2022-23/688

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

SAKTHI DHANALAKSHMI S

has Successfully Completed the Certification Course

VLSI - Design & Verification

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From 22-03-2022 to 28-03-2022

Certificate No. : Tessolve/CBE/2022-23/689

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

Sakthi vignesh.R

has Successfully Completed the Certification Course

VLSI - Design & Verification

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From 22-03-2022 to 28-03-2022

Certificate No. : Tessolve/CBE/2022-23/711

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

SARAAVATHY P

has Successfully Completed the Certification Course

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Certificate No. : Tessolve/CBE/2022-23/690

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

SARAN R

has Successfully Completed the Certification Course

VLSI - Design & Verification

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From 22-03-2022 to 28-03-2022

Certificate No. : Tessolve/CBE/2022-23/691

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

SHAKTHI V

has Successfully Completed the Certification Course

VLSI - Design & Verification

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Certificate No. : Tessolve/CBE/2022-23/692

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

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This is to certify that

SHARMITHA S

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VLSI - Design & Verification

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From 22-03-2022 to 28-03-2022

Certificate No. : Tessolve/CBE/2022-23/693

Date of Issue : 30 Mar 2022

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Srinivas Chinamilli
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This is to certify that

SHARUMATHI C V

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VLSI - Design & Verification

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From 22-03-2022 to 28-03-2022

Certificate No. : Tessolve/CBE/2022-23/694

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Srinivas Chinamilli

CEO

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This is to certify that

SHIVARAMAN G

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VLSI - Design & Verification

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From 22-03-2022 to 28-03-2022

Certificate No. : Tessolve/CBE/2022-23/695

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

SOORYA PRAKASH S

has Successfully Completed the Certification Course

VLSI - Design & Verification

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From 22-03-2022 to 28-03-2022

Certificate No. : Tessolve/CBE/2022-23/696

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

STEFFI GRACE M

has Successfully Completed the Certification Course

VLSI - Design & Verification

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From 22-03-2022 to 28-03-2022

Certificate No. : Tessolve/CBE/2022-23/697

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

SUDHARSAN S

has Successfully Completed the Certification Course

VLSI - Design & Verification

Authorised by Sri Sairam Institutions, Chennai

From 22-03-2022 to 28-03-2022

Certificate No. : Tessolve/CBE/2022-23/698

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

SURESHKUMAR S

has Successfully Completed the Certification Course

VLSI - Design & Verification

Authorised by Sri Sairam Institutions, Chennai

From 22-03-2022 to 28-03-2022

Certificate No. : Tessolve/CBE/2022-23/699

Date of Issue : 30 Mar 2022

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Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

SURUTHI LAKSHMI E

has Successfully Completed the Certification Course

VLSI - Design & Verification

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From 22-03-2022 to 28-03-2022

Certificate No. : Tessolve/CBE/2022-23/700

Date of Issue : 30 Mar 2022

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VAISHNAVI V

has Successfully Completed the Certification Course

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Certificate No. : Tessolve/CBE/2022-23/701

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

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VARADHARAJ K

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From 22-03-2022 to 28-03-2022

Certificate No. : Tessolve/CBE/2022-23/702

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

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CEO

Certificate of Completion

This is to certify that

VIBHEESH GV

has Successfully Completed the Certification Course

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Certificate No. : Tessolve/CBE/2022-23/720

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli
CEO

Certificate of Completion

This is to certify that

VIGNESH JOTHI K

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Certificate No. : Tessolve/CBE/2022-23/703

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Srinivas Chinamilli
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VIKAS V

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Certificate No. : Tessolve/CBE/2022-23/708

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Srinivas Chinamilli
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This is to certify that

YASWANTH KUMAR YENDLURI D

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Certificate No. : Tessolve/CBE/2022-23/704

Date of Issue : 30 Mar 2022

Srinivas Chinamilli

Srinivas Chinamilli

CEO



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ABINAYA S

Date: 09 Jul 2021

Sri Sairam Institute of Technology, Chennai

has participated in 4 Hours of Faculty Development Program on

Salesforce Developer Catalyst

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President, ICT Academy



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Jaikrishna B

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President, ICT Academy

A handwritten signature in blue ink, appearing to read "B. Anbuthambi".



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Date: 09 Jul 2021

SINDHUMEENAL T

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SURUTHY P

Date: 09 Jul 2021

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Swetha S

Date: 09 Jul 2021

Sri Sairam Institute of Technology, Chennai

has participated in 4 Hours of Faculty Development Program on

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CERTIFICATE OF PARTICIPATION

Date: 09 Jul 2021

Tamilselvan J

Sri Sairam Institute of Technology, Chennai

has participated in 4 Hours of Faculty Development Program on

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VARSHA VIGASINI S

Date: 09 Jul 2021

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AMCAT

Employability Report

for Rajesh Kumar J S

Assessment Date : 17 December 2021



A personalized guide to know your AMCAT employability scores,
job fit in various roles and get tips to improve employability.



Certificate
presented to

Rajesh Kumar J S with AMCAT ID:389050038645519
for successfully completing AMCAT on 17 December 2021

According to his/her AMCAT scores, Rajesh Kumar J S is employable for the following job profiles/sectors and is strongly recommended to be considered for job opportunities in these profiles/sectors:

Technical Operations

Associate- ITES/BPO

To authenticate this certificate and to access detailed scores of the candidate, please visit www.myamcat.com/talentsearch/

1. This is a computer generated certificate and does not require a signature. 2. You can quote the statements mentioned on this certificate on your resume or other public documents. The ideal way to quote is "According to my AMCAT score, I am employable for the following profiles: Associate- ITES/BPO,

Content

- 1 READING YOUR REPORT 
- 2 YOUR AMCAT SCORES 
- 3 MODULE FEEDBACK 
- 4 YOUR PERSONALITY 
- 5 YOUR INDUSTRY AND JOB FIT 
- 6 IMPROVE YOUR EMPLOYABILITY 
- 7 NEXT STEP 





Chapter I. READING YOUR REPORT



You must be having a lot of questions about your skills, personality and employability. **AMCAT Employability Report** will not only help answer these questions, but will become your guide for deciding next steps on your career path. It will tell you what to study, what interviews to prepare for and how to prepare. Refer to the following tips to understand how to make this report a means to get closer to your dream job.

- ❖ Start by referring to the '**YOUR AMCAT SCORE SUMMARY**' chapter of your report. This chapter has all the key highlights for you. You will get to know where you stand nationally in different AMCAT modules, a snapshot of your personality and your employability in different job profiles and sectors. The summary chapter is the key. You should understand everything in it to know where you stand in the job market. For each section in the summary chapter, we mention the chapter having additional information about the section. Wherever you are unable to understand or want more information, refer to the respective chapter.
- ❖ The chapter '**Your Profile and Industry Fit**' is very important. The following tips will help you use it to make an action plan for next few months:
 - a. For profiles where your employability is high, you should start refreshing your knowledge for an interview for them. You may soon get interview calls for these.
 - b. You might find certain profiles where you have high employability, but are not the ones that interest you or you know much about. We will seriously recommend that you explore more about these profiles, find information about them and re-evaluate your interest. These can provide you an interesting career path which you may not have considered till now.
 - c. For those profiles where your employability is medium/low but interest you, understand your skill gap and start studying to improve on these areas. You may get an interview call for some of these, but you will have to work really hard to clear the interview. To increase your chances to get interview calls in such profiles, you should improve on your skills and re-take AMCAT after three months. The modules you should concentrate on for a profile is mentioned in the **chapter V**. A better AMCAT score can improve your interview chance in these profiles.
- ❖ Finally, this report can guide you on how to improve your weak areas. Refer to **Chapter III** to know within each module, which sub-modules you need to particularly improve. Work on these. Refer to **Chapter VI** to not only get helpful references to improve your weak areas, but also get a time schedule you can use.



Your Action Plan

INTEREST		
	HIGH	MEDIUM/LOW
Employability	HIGH Prepare for interviews for these profiles. Check out references from Chapter VI.	Gather more information about profiles and re-evaluate your interest. If you find that they may interest you, start preparing for their interviews.
	MEDIUM/LOW Start working to improve on AMCAT modules required for the profile. Re-take AMCAT after three months to improve your chances of interview opportunity.	Low priority at this point.

We hope you will immediately start working on this action plan to succeed in interviews and position yourself to get interview calls for your profiles of interest. Best of luck!

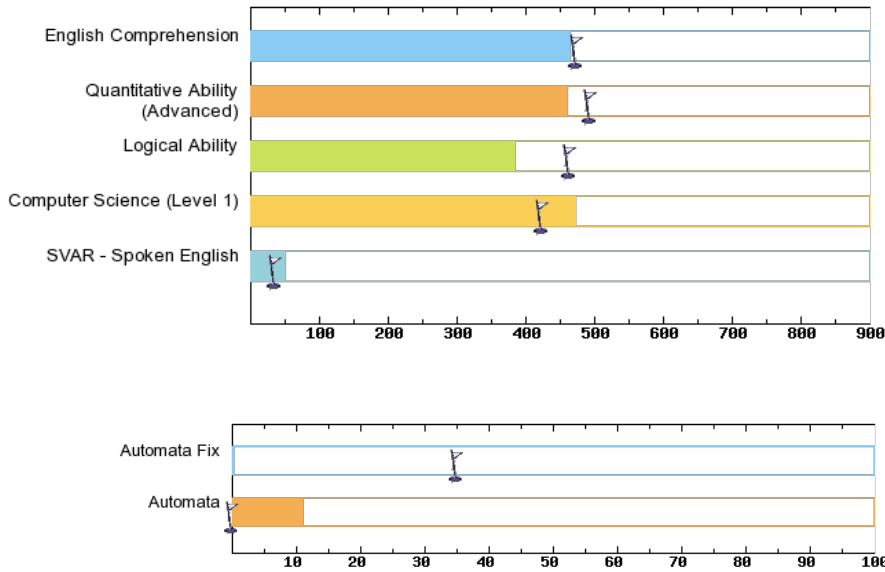


Chapter II. YOUR AMCAT SCORES

Rajesh Kumar J S

AMCAT ID : 389050038645519

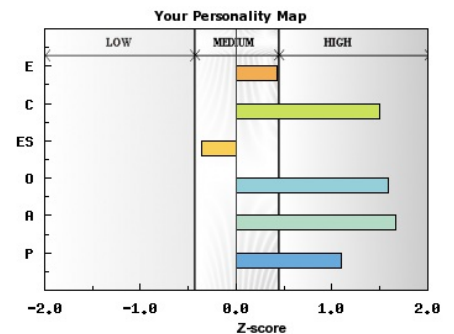
Your AMCAT Score



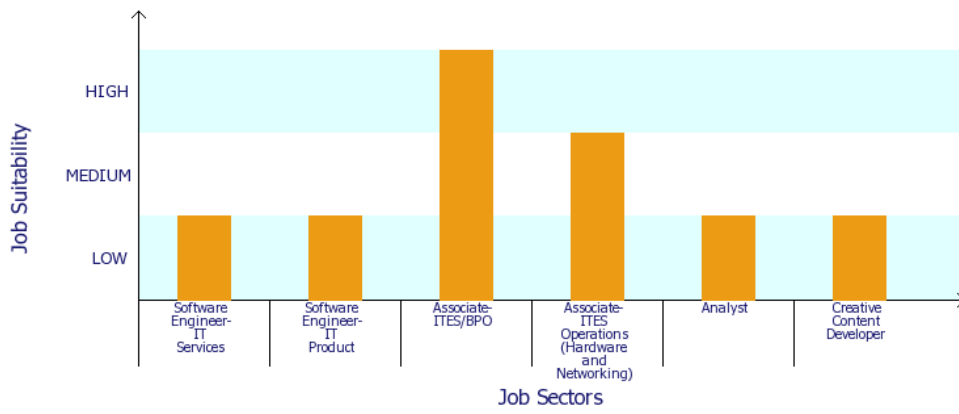
- AMCAT an intelligent adaptive test. Your AMCAT score is not equal to the number of questions answered correctly. The score is calculated by an advanced statistical engine, which takes into consideration questions difficulty, discrimination, guess probability and several other factors.
- The bar is a representation of your performance in the module. The tick in each bar represents the 50 percentile score of all candidates of your category.
- Score of one module should not be compared with the score of another, but should be compared against the 50 percentile point of that module.
- Your score is on a scale of 100 to 900 with 100 being the minimum and 900 maximum

Your Personality Scores

- **Extraversion (E)** An extroverted, talkative, socially confident person
- **Conscientiousness (C)** An organized, responsible, hardworking & achievement oriented person
- **Emotional Stability (ES)** A calm, happy, undisturbed & confident person
- **Openness To experience (O)** A broad-minded, unconventional, imaginative person with rich artistic sensitivity
- **Agreeableness (A)** A kind, sympathetic, cooperative & warm person
- **Polychronicity (P)** A multitasker



Your Job Fit





Chapter III. MODULE FEEDBACK

This Chapter provides a detailed feedback about your performance in each AMCAT module. It shall provide your AMCAT score and more importantly your AMCAT percentile, which shall tell you where you stand in the modules across all job-seekers across the Nation with similar education.

Furthermore, the chapter goes into details of which sub-module within a module did you perform well in and where you lacked. It will suggest where to put more effort and also provide tips on what kind of effort you should put in.

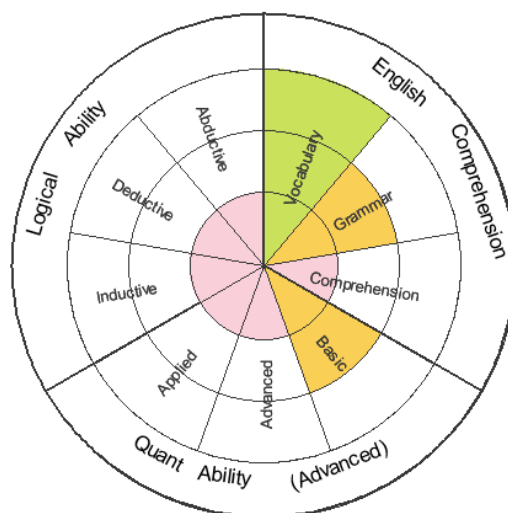
SECTION I: YOUR AMCAT REPORT CARD

Module	Score	Grade	National Percentile
English Comprehension	465	B	48%
Quantitative Ability (Advanced)	460	B	38%
Logical Ability	385	C	19%
Computer Science (Level 1)	473	A	68%
SVAR - Spoken English	50.17	B	43%
Automata	11 out of 100	Programming Ability Score: 1 out of 5 Programming Practices Score: 0 out of 4	
Automata Fix	0 out of 100		

- Overall percentile is your percentile amongst all the candidates (belonging to the same degree as yours) tested by us nationally till now. If your overall percentile for a module is NA, it means we do not calculate percentile for that module
- If your reported score is -1, it means you have attempted less than the minimum number of questions required in that section. In such a case no score is reported. A score of -2 means you did not attempt the module. NA: Not Available
- Grade Information: grade tells you where you stand amongst all the people who have taken AMCAT till now.
 A: First 33% B: Second 33% C: Last 34%

SECTION II: YOUR PERFORMANCE CHAKRA

Our Performance Chakra provides you with a bird's-eye view of your performance in different sections of modules you have attempted. The three levels indicate your performance as poor, average or good.



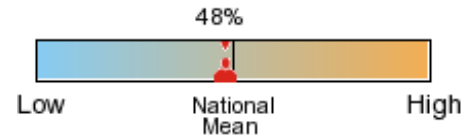
Performance Chakra: You have done really well in sub-modules marked in green, average in those in yellow and poorly in those in pink. If a section is without a color, it means you did not answer enough questions in the subsection to get an evaluation in it.



SECTION III: YOUR PERSONALIZED FEEDBACK

This section provides you a personalized feedback automatically generated by our artificial intelligence engine. Based on your strong and weak areas in a module, it provides you with suggestions and tips to improve yourself.

English Comprehension

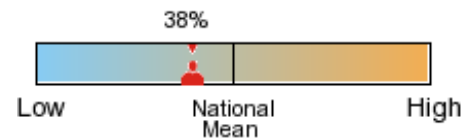


Your performance in English Comprehension is average. According to our analysis, you have a fair understanding of English. Your vocabulary range is excellent and you are good at constructing sentences in English with minimal grammatical errors. However, you find it hard to understand passages and answer questions based on them. Try to regularly read articles in magazines and then summarize them in your own words. At first, do not get worried if you take a lot of time understanding the article. Gradually, start improving your reading speed, while maintaining the comprehension level. If you follow this strategy, we are sure you would soon cart off the glitches in your English reading, writing or communicating skills. Good luck!

Tips / Suggestions for You

- Read small stories (or articles) and rewrite them in your own words. Get them checked by someone with good English.
- Read a newspaper regularly and some good magazines like India Today, Outlook, etc. After reading the articles, try to write main points of the articles in order to check your understanding.

Quantitative Ability (Advanced)



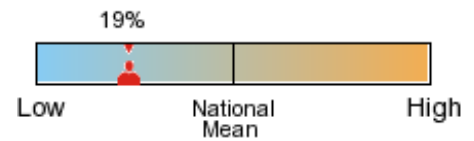
Your performance in Quantitative Ability (Advanced) is satisfactory. According to our analysis, you have a fairly good understanding of basic algebra and concepts of HCF, LCM, and divisibility. However, you need to work hard in learning how to apply these fundamentals to word problems and advanced areas such as permutation-combination and probability. In word problems, you are given a real time situation, wherein you need to form equations to represent the situation and solve them to get the answer. Our analysis suggests that you are unable to understand how to form equations, when a problem statement is given. For advanced areas such as permutation-combination and probability, make sure you don't just cram the formulae. Try to understand basic concepts of permutation-combination. Go through solved examples, understand them and practice them. After that you can proceed ahead and practice to master probability. Solve multiple choice questions (word problems, permutation-combination and probability) under time constraint. This will definitely help you improve your performance. You can do it! Work hard!

Tips / Suggestions for You

- Understanding of logarithms is very important both in engineering and non-engineering (data-analysis) profiles.
- Try to solve mathematical puzzles.
- Learn all the critical definitions, formulae and concepts that appear in common questions.



Logical Ability

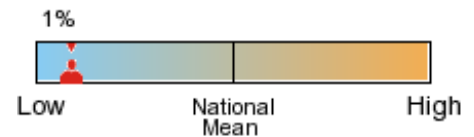


Your performance in Logical Ability is not satisfactory. You need to work really very hard to improve your performance in this section. Proficiency in logical reasoning is desired in all job profiles since you will need to make decisions based on the available information. To improve, practice different types of questions such as syllogism, blood relations, direction sense, pattern recognition, etc. You can also try your hand at puzzles. These are great means of having fun and improving one's skills at the same time. Good luck!

Tips / Suggestions for You

- The only way to get better at inductive reasoning section is to practice lots of questions. So, pick up a standard logical reasoning book and start practicing.
- Diagrams are a great way to tackle deductive reasoning questions.
- Abductive reasoning refers to being able to infer a course of action, derive a conclusion, infer underlying assumptions, etc. to a given set of statements. These questions test your ability to take decisions based on information in a real-world scenario. You should read analytical/business magazines and newspapers to improve your abductive reasoning.

Automata Fix



Your performance in Automata Fix is not satisfactory. You need to put substantial effort into learning to read source codes and error messages and understanding what a set of coding instructions is trying to achieve. The next step is to become familiar with a programming language and its compiler. You can then start writing source codes for simple problems in the chosen language. Being able to understand and diagnose source code issues is an important part of the daily routine of a software engineer. You can learn this skill by solving simple programming problems through writing codes for them and by trying to understand the meaning of error messages that can occur when a code is compiled.

SECTION IV: YOUR AUTOMATA FEEDBACK

This chapter provides you the detail of your performance in Automata modules.

Report Details

Total Problems	Total Time
2	45 mins

Scores

Total Score This is the measure of overall programming performance of the candidate.		11 out of 100
Programming Ability Score This score measures the ability to write correct, thorough and efficient code for a problem.	1 out of 5	Programming Practices Score This score measures the use of best practices in programming, program's robustness, readability, security etc.
		0 out of 4

Problem 1 Results

Scores		Code Execution Summary	
Programming Ability Score	1 out of 5	Language	: C
Programming Practices Score	N.A.	Code Compilation	: Pass
		Compiler Warnings Generated	: No
		Test Cases Passed	: 0/14



Test Case Execution Results(Cases Passed/ Total Cases)

Basic	0/7
They demonstrate the primary logic of the problem. They encompass situations which would be seen on an average and do not reveal situations which need extra checks/handles to be placed on the logic.	
Advanced	0/7
They contain pathological input conditions which would attempt to break codes which have incorrect/semi-correct implementations of the correct logic or incorrect/semi-correct formulation of the logic.	
Edge	0/2
They specifically confirm whether the code runs successfully on the extreme ends of the domain of inputs.	
Total	0 / 16

Structural Vulnerabilities and Errors

N.A.

Average-Case Time Complexity Detected

-5

This problem can be ideally solved in 0 time

* N represents the

* Average Case Time Complexity is the order of performance of the algorithm given a random set of inputs. This complexity is measured here using the Big-O asymptotic notation.

Execution Statistics

Time Taken to Submit (hr:min:sec)	: 00:03:34
Number of compiles attempts made	: 2
Number of compilation attempts witnessing a successful compile	: 2
Number of compile attempts witnessing a time-out	: 0
Number of compile attempts witnessing runtime errors	: 2
Avg. no. of cases passed in each compile	: 0 %
Avg. time taken between each compile (hr:min:sec)	: 00:01:47

Problem 2 Results

Scores

Programming Ability Score	1 out of 5
Programming Practices Score	N.A.

Code Execution Summary

Language	: C
Code Compilation	: Pass
Compiler Warnings Generated	: No
Test Cases Passed	: 3/15

Test Case Execution Results(Cases Passed/ Total Cases)

Basic	1/8
They demonstrate the primary logic of the problem. They encompass situations which would be seen on an average and do not reveal situations which need extra checks/handles to be placed on the logic.	
Advanced	0/5
They contain pathological input conditions which would attempt to break codes which have incorrect/semi-correct implementations of the correct logic or incorrect/semi-correct formulation of the logic.	
Edge	2/4
They specifically confirm whether the code runs successfully on the extreme ends of the domain of inputs.	
Total	3 / 17

Structural Vulnerabilities and Errors

N.A.

Average-Case Time Complexity Detected

-5

This problem can be ideally solved in 0 time

Execution Statistics

Time Taken to Submit (hr:min:sec)	: 00:14:56
Number of compiles attempts made	: 8
Number of compilation attempts witnessing a successful compile	: 4
Number of compile attempts witnessing a	: 0



* N represents the

* Average Case Time Complexity is the order of performance of the algorithm given a random set of inputs. This complexity is measured here using the Big-O asymptotic notation.

time-out	:	0
Number of compile attempts witnessing runtime errors	:	0
Avg. no. of cases passed in each compile	:	8.82 %
Avg. time taken between each compile (hr:min:sec)	:	00:01:52



SECTION IV: YOUR AUTOMATA FIX FEEDBACK

This chapter provides you the detail of your performance in Automata modules.

Automata Fix Scores		0 out of 100
Syntactical Error	0 out of 100	Logical Error Correction
The candidate is expected to fix syntactical/compilation error(s) in the provided code.		The candidate is expected to fix logical inconsistencies in the provided code.
Code Reuse		0 out of 100
The candidate is expected to make use of existing functions to implement/ complete an incomplete functionality .		

Problem 1	Status: Wrong	Question Type: Logical Error Correction	Language: Java
------------------	----------------------	--	-----------------------

Default Source Code	Candidate Source Code			
No difference				
Default Source Status	Candidate Source Status			
Test Cases Passed : 0 %	Test Cases Passed : 0 %			
<input type="checkbox"/> No change	<input checked="" type="checkbox"/> New additions to code	<input type="checkbox"/> Deletions in code	<input type="checkbox"/> Existing statements edited	<input type="checkbox"/> Skipped common part

Execution Statistics			
Code Compilation Passed	: Yes	Time taken to submit (hr:min:sec)	: 00:16:16
Number of compilation attempts witnessing a successful compile	: 11	Avg. no. of cases passed in each compile	: 0 %
Number of compiles attempts made	: 25	Code Length	: 36

Problem 2	Status: Wrong	Question Type: Logical Error Correction	Language: Java
------------------	----------------------	--	-----------------------

Default Source Code	Candidate Source Code
<pre> 4 { 5 /* base cases */ 6 if (bst1 == null && bst2 == null) 7 return 1; 8 9 if (bst1 == null bst2 == null) 10 return 0; 11 12 subtrees are also same */ 13 if (bst1.value == bst2.value) 14 { 15 if (areIdentical(bst1.left, bst2.left) == 1) 16 { 17 if (areIdentical(bst1.right, bst2.right) == 1) 18 return 1; 19 } 20 21 } 22 23 public static int isSubBST(TNode bRoot1, TNode bRoot2) 24 { 25 26 if (areIdentical(bRoot1, bRoot2) == 1) 27 return 1; 28 else 29 return 0; 30 } </pre>	<pre> 4 { 5 /* base cases */ 6 if (bst1 == null && bst2 == null) 7 return 0; 8 9 if (bst1 == null bst2 == null) 10 return 0; 11 12 subtrees are also same */ 13 if (bst1.value == bst2.value) 14 { 15 if (areIdentical(bst1.left, bst2.left) == 0) 16 { 17 if (areIdentical(bst1.right, bst2.right) == 1) 18 return 1; 19 } 20 21 } 22 23 public static int isSubBST(TNode bRoot1, TNode bRoot2) 24 { 25 26 if (areIdentical(bRoot1, bRoot2) == 0) 27 return 1; 28 else 29 return 0; 30 } </pre>
Default Source Status	Candidate Source Status
Test Cases Passed : 65.63 %	Test Cases Passed : 50 %

In case of any query, feedback or suggestions please visit www.myamcat.com



<input type="checkbox"/> No change	<input checked="" type="checkbox"/> New additions to code	<input type="checkbox"/> Deletions in code	<input type="checkbox"/> Existing statements edited	<input type="checkbox"/> Skipped common part
------------------------------------	---	--	---	--

Execution Statistics

Code Compilation Passed : Yes	Time taken to submit (hr:min:sec) : 00:02:49
Number of compilation attempts witnessing a successful compile : 10	Avg. no. of cases passed in each compile : 2.6 %
Number of compiles attempts made : 10	Code Length : 35

Problem 3 **Status: Wrong** **Question Type: Logical Error Correction** **Language: Java**

Default Source Code

Candidate Source Code

No difference

Default Source Status

Candidate Source Status

Test Cases Passed : 66.67 %

Test Cases Passed : 66.67 %

<input type="checkbox"/> No change	<input checked="" type="checkbox"/> New additions to code	<input type="checkbox"/> Deletions in code	<input type="checkbox"/> Existing statements edited	<input type="checkbox"/> Skipped common part
------------------------------------	---	--	---	--

Execution Statistics

Code Compilation Passed : Yes	Time taken to submit (hr:min:sec) : 00:00:29
Number of compilation attempts witnessing a successful compile : 2	Avg. no. of cases passed in each compile : 0 %
Number of compiles attempts made : 2	Code Length : 10

Problem 4 **Status: Wrong** **Question Type: Logical Error Correction** **Language: Java**

Default Source Code

Candidate Source Code

```

1 // You can print the values to stdout for debugging
2 public class Color
3 {
4     public static void printColor(int num)
5     {
6         switch (num)
7         {
8             case 1:
9                 System.out.print("Red");
10            case 2:
11                System.out.print("Black");
12            case 3:
13                System.out.print("White");
14            case 4:
15                System.out.print("Green");
16            default:
17                System.out.print("No color");
18            break;
19        }
20    }
21 }
22 }

```

```

1 // You can print the values to stdout for debugging
2 public class Color
3 {
4     public static void printColor(int num)
5     {
6         swith (num)
7         {
8             case 1:
9                 System.out.print("Red");
10            case 2:
11                System.out.print("Black");
12            case 3:
13                System.out.print("White");
14            case 4:
15                System.out.print("Green");
16            default:
17                System.out.print("No color");
18            break;
19        }
20    }
21 }

```

Default Source Status

Candidate Source Status

Test Cases Passed : 40 %

Test Cases Passed : 40 %

<input type="checkbox"/> No change	<input checked="" type="checkbox"/> New additions to code	<input type="checkbox"/> Deletions in code	<input type="checkbox"/> Existing statements edited	<input type="checkbox"/> Skipped common part
------------------------------------	---	--	---	--



Execution Statistics

Code Compilation Passed	: Yes	Time taken to submit (hr:min:sec)	: 00:00:20
Number of compilation attempts witnessing a successful compile	: 1	Avg. no. of cases passed in each compile	: 14.3 %
Number of compiles attempts made	: 1	Code Length	: 21

Problem 5 **Status: Wrong** **Question Type: Code Reuse** **Language: Java**

Default Source Code

Candidate Source Code

No difference

Default Source Status

Candidate Source Status

Test Cases Passed : 16.67 %

Test Cases Passed : 16.67 %

<input type="checkbox"/> No change	<input checked="" type="checkbox"/> New additions to code	<input type="checkbox"/> Deletions in code	<input type="checkbox"/> Existing statements edited	<input type="checkbox"/> Skipped common part
------------------------------------	---	--	---	--

Execution Statistics

Code Compilation Passed	: Yes	Time taken to submit (hr:min:sec)	: 00:00:02
Number of compilation attempts witnessing a successful compile	: 0	Avg. no. of cases passed in each compile	: 25 %
Number of compiles attempts made	: 0	Code Length	: 29

Problem 6 **Status: Wrong** **Question Type: Code Reuse** **Language: Java**

Default Source Code

Candidate Source Code

No difference

Default Source Status

Candidate Source Status

Test Cases Passed : 0 %

Test Cases Passed : 0 %

<input type="checkbox"/> No change	<input checked="" type="checkbox"/> New additions to code	<input type="checkbox"/> Deletions in code	<input type="checkbox"/> Existing statements edited	<input type="checkbox"/> Skipped common part
------------------------------------	---	--	---	--

Execution Statistics

Code Compilation Passed	: Yes	Time taken to submit (hr:min:sec)	: 00:00:00
Number of compilation attempts witnessing a successful compile	: 1	Avg. no. of cases passed in each compile	: 0 %
Number of compiles attempts made	: 1	Code Length	: 10

Problem 7 **Status: Wrong** **Question Type: Syntactical Error Correction** **Language: Java**

Default Source Code

Candidate Source Code

<pre> 1 // You can print the values to stdout for debugging 2 public class DigitSum 3 4 { 5 6 public static int getDigitSum(int arr[]) </pre>	1	
---	---	--



<pre> 7 8 { 9 10 int result,len=arr.length; 11 12 for(int i=0,min = arr[0];i<len;i++) 13 { 14 { 15 16 if(arr[i]<min) 17 18 min=arr[i]; 19 20 } 21 22 result=getSum(min); 23 24 if(result%2==0) 25 26 return 1; 27 28 else 29 30 return 0; 31 32 } 33 34 35 36 public static int getSum(int num) 37 { 38 { 39 40 int sum=0; 41 42 while(num!=0) 43 { 44 { 45 46 sum=sum+(num%10); 47 48 num=num/10; 49 50 } 51 52 return sum; 53 54 } 55 56 } </pre>	<p>Default Source Status</p> <pre> :22: error: cannot find symbol result=getSum(min); ^ symbol: variable min location: class DigitSum 1 error </pre>	<p>Candidate Source Status</p> <p>Test Cases Passed : 0 %</p>
---	---	--

<input type="checkbox"/> No change	<input checked="" type="checkbox"/> New additions to code	<input type="checkbox"/> Deletions in code	<input type="checkbox"/> Existing statements edited	<input type="checkbox"/> Skipped common part
------------------------------------	---	--	---	--

Execution Statistics			
Code Compilation Passed	: Yes	Time taken to submit (hr:min:sec)	: 00:00:00
Number of compilation attempts witnessing a successful compile	: 0	Avg. no. of cases passed in each compile	: 0 %
Number of compiles attempts made	: 0	Code Length	: 1



Chapter IV. YOUR PERSONALITY

The purpose of this Chapter is to provide you an analysis of your personality and give you an insight in your behavioral aspects. The analysis done is on the basis of your responses to AMPI (Aspiring Minds Personality Inventory). AMPI is a reliable and valid personality test based on global standards.

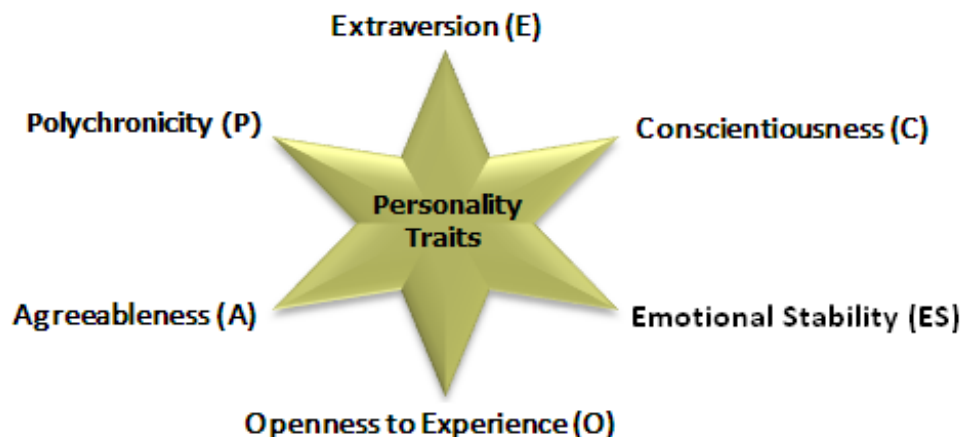
Different sub-sections of this chapter are especially designed to provide a broad view on numerous aspects related to your personality. This Chapter contains the following main sections:

- Your Personality Score
- Description of your personality
- Your Personality type.

A word of caution: Trait scores of HIGH or LOW may not be equated to being GOOD or BAD. There are no good or bad personalities. Secondly, this test or Chapter does not measure or indicate any psychological disorder or otherwise. Every individual has a unique personality and this report provides an indication of the same. Candidates with different personality combinations do well in handling different kind of situations and perform well in different jobs. There is no absolute metric personality. Lastly, this Chapter is best interpreted by a trained psychologist.

SECTION I: YOUR PERSONALITY SCORES

Your personality assessment shall be provided on the following traits:

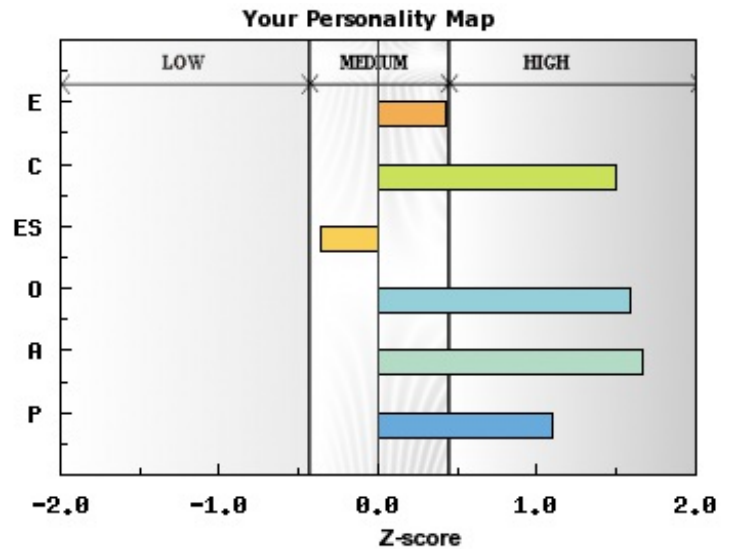


These traits are based on the Big Five Model of personality, now globally accepted as the most scientific and validated model of personality.

The table and figure below shows your Z-score and percentile in each trait. Each bar represents your Z-score in a personality trait.



Trait	Region	Percentile	Z-score
Extraversion	Medium	66%	0.42
Conscientiousness	High	94%	1.49
Emotional Stability	Medium	36%	-0.36
Openness to Experience	High	95%	1.59
Agreeableness	High	96%	1.66
Polychronicity	High	87%	1.09



Scores and Their Interpretation:

- For each trait, you have been classified as being LOW, MEDIUM or HIGH. It should be noted that this classification is not an absolute one, but a relative one. These classifications are based on our national norms on a sample of entry-level job aspirants. For instance, a person, who is high on Extraversion, is as extraverted as the top 33% people in our norm group. He/she may not still be extraverted enough for a given role or a standard set by another individual.
- A low percentile does not mean bad performance and high percentile does not mean good performance, as there is no concept of performance in personality.
- For each trait, a Z-score is provided. The Z-score measures the number of standard deviations the score is away from mean of norm. A Z-score more than +0.44 means the candidate is in the top 33%, whereas a Z-score of less than -0.44 represents the candidate is in the lowest 33%.
- This report is best interpreted by a psychologist. The candidate is strongly advised not to take any action on the basis of this report without referring to a well-qualified psychologist.

SECTION II: DESCRIPTION OF YOUR PERSONALITY

This section provides you a detailed description of your personality traits.

Extraversion

10	20	30	40	50	60	70	80	90	100
----	----	----	----	----	----	----	----	----	-----

Your score indicates you are **Medium** on Extraversion.

Extraversion is defined as one's inclination towards the outer world. Individuals with high extraversion can be characterized as social, talkative and assertive. They like the company of people and enjoy social gatherings. They need external stimulation and get energized while interacting with people. They have lots of friends and thrive for making new social contacts. They like to work in groups and prefer to lead others.

You are neither a loner nor overtly extraverted. You are as assertive as most people are, and do not seek too much excitement and activity in life. You feel comfortable being alone as well as in social gatherings. You like to spend time with yourself.

Conscientiousness

10	20	30	40	50	60	70	80	90	100
----	----	----	----	----	----	----	----	----	-----

Your score indicates you are **High** on Conscientiousness.

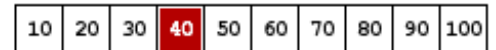
Conscientiousness has been called by some psychologists as the Will to Achieve. It is generally seen to have two components, one of striving for achievement and the other of dependability. The latter is characterized by being thorough, organized and responsible. The former is related to volitional variables such as hardwork,



perseverance and orientation towards achievement.

You are punctual, well organized and believe in self-discipline. You like everything in order and follow processes, plans and rules. You are a perfectionist, pay good attention to detail and work methodically to achieve your goals. You can be relied upon to get things done well. You are well-motivated, determined and have a good sense of direction in life.

Emotional Stability

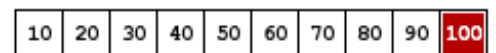


Your score indicates you are **Medium** on Emotional Stability.

Emotional stability refers to being in a state of psychological steadiness. Emotionally stable people are even tempered and relaxed and they tend to have higher emotional intelligence. On the other hand, people low on emotional stability are likely to experience negative emotions like anxiety, depression, embarrassment and insecurity on small stimuli from the environment. These people have a tendency to exaggerate minor mutations.

You are generally calm, but, at times, may get upset by behavior of others, feel depressed or guilty. You can handle situations well but at times get panicked. You are moderately adaptable to your surroundings.

Openness to Experience

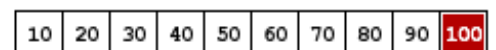


Your score indicates you are **High** on Openness to Experience.

Openness to Experience is associated with being broad-minded, unconventional, having a rich artistic sensitivity and being curious and imaginative. This has been a trait hard to identify and has been called as intellect, culture or openness to experience by various psychometricians. Open individuals are creative, willing to challenge authority and entertain new ideas. They have intuitive thinking and can adapt to change easily. They are progressive and prefer to explore new ways and ideas of doing things.

You have a strong aesthetic sense, appreciate beauty and experience varied emotions and feelings. You have broad interests, are keen to try out different things and have a rich imagination. You are highly creative and self-confident, and can visualize things easily.

Agreeableness

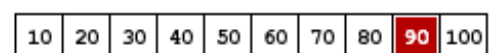


Your score indicates you are **High** on Agreeableness.

Agreeableness refers to social conformity, friendliness, compliance and altruism. Agreeable people are sympathetic to others, help others and trust others to help them too in return. They are popular amongst their colleagues and do not believe in manipulating people. Agreeable people are good for customer relationship profiles and work well in teams.

You come across as warm and compassionate. You care for others, are generous, helpful and modest. You make sure you do not hurt anyone and are trusting of others. You are straightforward, understanding and humble. You see other people as honest and trustworthy and believe in what they say.

Polychronicity



Your score indicates you are **High** on Polychronicity.



The Multi-tasking trait is defined as the extent to which the person prefers to engage in more than one tasks simultaneously and believes that this is a productive work style. Individuals high on this trait shall like to engage in multiple activities at a given time, whereas those low shall prefer to just do one thing at a time. This trait measures the personality disposition of a person to multi-task and does not measure the ability to do so.

You have a high score on the multi-tasking scale. This shows that you prefer to do multiple tasks simultaneously, switching in between as per need basis. Rather than doing a single task or project, you shall like to do several of them together. Your working approach shall be to make some progress on multiple tasks than completing one task to the fullest and then moving to the next task. You will like to work in an environment which involves multi-tasking and shall not be put off by that. You believe this is an efficient way of doing things.



SECTION III: YOUR PERSONALITY TYPE

Based on your personality traits, your personality type is determined as below.

You are a **"Inspirer"**

You are introspective, value-oriented, inspiring, social and extremely expressive. You have an unusually wide range of skills and talent. You are good at doing most of the things which interest you. You are a natural advocate, attracting people to yourself and you are gifted with excellent people skills, warmth, energy and positivity. Your enthusiasm lends you the ability to inspire and motivate others.

You dislike routine tasks and get easily frustrated if a project requires great deal of focus on detail and maintenance. You work best in situations where you have a lot of flexibility and are able to use your creativity and skills. You are ready to take risks. You often appear to be over positive and can appear insincere.



Chapter V. YOUR INDUSTRY AND JOB FIT

This chapter explains your job fit in various profiles in different industry sectors.

AMCAT is today used by leading corporations across the country to look for the right talent. Based on our learning's from working with these corporates, we have developed statistical models of what scores make a candidate succeed in a given job profile. Based on your AMCAT scores and our statistical model, we can predict which job profiles you best fit in. We can also find out the profiles for which you aren't currently ready and what subjects you need to study to become employable in them.

This section shall provide you information about your employability in different job profiles and what all you need to improve to become more job fit. It will also provide a glimpse in the score cut-offs for different profiles.

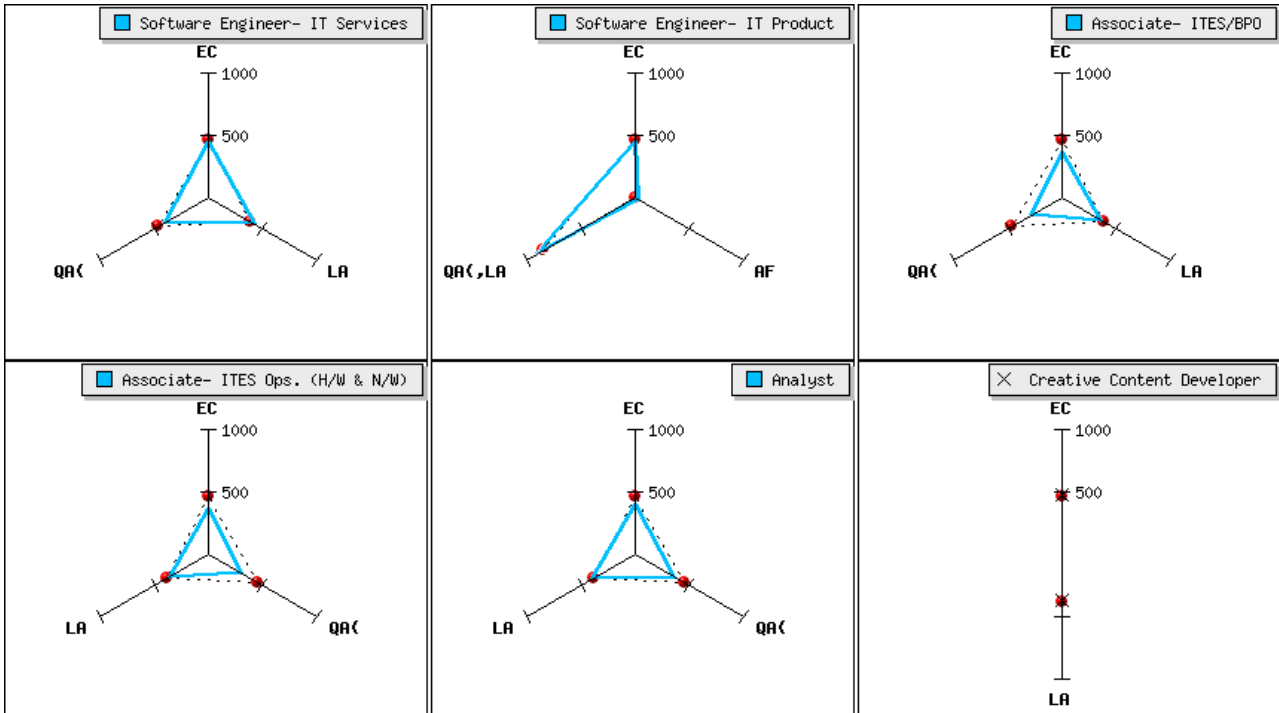
Section I: YOUR JOB FIT

Job Profile	Your chance of selection for these job profiles.	Job profile criteria and areas to work on for improving your chances
Engineering/IT Jobs		
Software Engineer- IT Services	Low	These companies are basically looking for good English and Logical skills with average Quantitative ability. You have to work hard in Logical Ability.
Software Engineer- IT Product	Low	These companies are basically looking for good English, Programming and Logical skills with average Quantitative ability. You have to work hard in Quantitative Ability (Advanced), Logical Ability and Automata Fix.
Technical Operations		
Associate- ITES/BPO	High	These companies look for candidates proficient in English with average Logical and Quantitative abilities.
Associate- ITES Operations (Hardware and Networking)	Medium	These companies are basically looking for candidates with good English and average Logical abilities. You have to work hard in Logical Ability.
Non-technical Jobs		
Analyst	Low	These companies look for candidates having proficiency in English with good Quantitative and Reasoning abilities. You have to work hard in Logical Ability.
Creative Content Developer	Low	These companies look for candidate with proficiency in English with good reasoning abilities. You have to work hard in English Comprehension.



Section II: SELECTION COMPARATOR

The graphs below show the minimum cut-off in each module every job profile (marked with solid blue lines). It also shows your AMCAT score, which is represented by a dot and connected through dotted lines. You can compare different job profiles cutoffs with your score to get an idea about how well or poorly you do with respect to each module for a given profile.



* For some profiles personality scores have also been considered.



We hope you have read this Chapter seriously and plan to take next steps based on your interest and employability for different job profiles. We recommend the following action plan:

INTEREST			
	HIGH	MEDIUM/LOW	
Employability	HIGH	Prepare for interviews for these profiles. Check out references from Chapter VI.	Gather more information about profiles and re-evaluate your interest. If you find that they may interest you, start preparing for their interviews.
	MEDIUM/LOW	Start working to improve on AMCAT modules required for the profile. Re-take AMCAT after three months to improve your chances of interview opportunity.	Low priority at this point.

Work hard and you will soon be able to crack a job in a profile of your interest. The next chapter will provide some tips to you to improve yourself in different modules.



Chapter VI. IMPROVE YOUR EMPLOYABILITY

To be able to improve your employability you need to concentrate on improving your weak areas while maintaining your strengths. This chapter shall guide you to resources and a plan to do this. Based on your weak areas as enumerated in Chapter III and improvement areas for specific job profiles (discussed in Chapter V), you should take next steps to improve your employability. To do this effectively you need to pick the right books/resources/training for each area and spend a balanced amount of time on across subjects.

Our intelligent feedback system, based on your weaknesses and strengths has picked material to refer to and created a study time schedule. Both when used effectively can help you improve your employability substantially.

SECTION I: REFERENCES

Based on your AMCAT report, we have picked authoritative resources to help you improve. The references are custom generated for you according to your performance in AMCAT. These resources are free to access over the internet and should come handy in your endeavor to improve your employability.

Subjects	Books/Links
Comprehension	The Hindu Newspaper - http://www.thehindu.com/ Speed up your reading comprehension - https://education.seattlepi.com/methods-improve-speed-reading-comprehension-5703.html Reading Comprehension Tips and Techniques - https://learningcenter.unc.edu/tips-and-tools/reading-comprehension-tips/ Reading Strategies - https://www.f1gmat.com/gmat-reading-comprehension-strategies
Engineering Mathematics	Permutations and Combinations - http://www.youtube.com/watch?v=Dsi7x-A89Mw Introduction to Probability - https://www.mathgoodies.com/lessons/vol6/intro_probability
Applied Mathematics	Word Problems Tips and Strategies - http://www.studygs.net/mathproblems.htm Translating Word Problems - https://www.purplemath.com/modules/translat.htm
Inductive Reasoning	Inductive Reasoning - http://www.aspiringminds.in/referenceLinks.php?file=indReasoningSkills An Application of Inductive Reasoning: Number Patterns - http://socrates.bmcc.cuny.edu/jsamuels/text/mhh-discrete-01.2.pdf Reasoning Skills - http://www.aspiringminds.in/referenceLinks.php?file=rsng-skill
Deductive Reasoning	Deductive Reasoning Applications - http://www.aspiringminds.in/referenceLinks.php?file=ded-reasoning
Abductive Reasoning	Wikipedia article on Abductive Reasoning - http://en.wikipedia.org/wiki/Abductive_reasoning Abductive Inference - https://www.youtube.com/watch?v=jX3OXwpEpl8

SECTION II: SUGGESTED TIME SCHEDULE

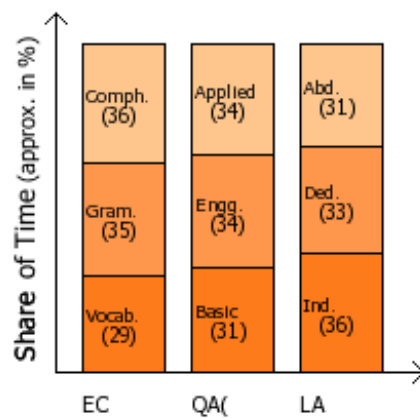
Based on your performance, we have come up with a time schedule. By following this time schedule, you can ensure that you will continue to maintain your strong modules, while improve substantially in those that are lacking.

The pie chart below, tells you about how much time you should ideally be spending on different modules. Always remember, it is required to spend a fixed amount of time on all modules even though you might be strong in them. Perfection is said to come from continuous practice.

And for the modules in which you might be lagging a bit, there is always time for improvement. So just put your chin down and start working on them from today. It has to start somewhere, it has to start sometime. What better place than here, what better time than now?



We also provide you a time split for each section in the module. Based on your performance, we automatically adjust times so that you spend more time on weak sub-sections in a module and less in others. This is contrary to what students generally do! They keep doing questions which they are able to solve and do not attempt those which they find tough. To improve your weak areas, you just need to do the opposite. Spend more time preparing for weak areas, even if it takes more time to learn and practice it.



We hope that your performance analysis has helped you understand your strengths and weaknesses. Let us now understand what your next steps should be.



Chapter VII. NEXT STEP

Your AMCAT experience is still not over!

Assessment is a continuous process which does not end with just an evaluation. In fact this is just the beginning. You need to work hard to succeed in tests and interviews of companies and finally do wonders at the job.

During the next three weeks, you will be automatically enrolled in the AMCAT Job-Readiness Capsule to help you get closer to your dream company interview. We will interact with you on a regular basis via emails to guide you through the capsule and check your progress. We will send you SMSes with helpful tips, guidance and employability updates for the next 3 months. Make sure you not only read these SMSes, but also do the things they recommend. We will also guide you in making your resume and help you perform best at an interview. Make sure you regularly log into your myamcat.com account to make maximum use of these resources and tips.

Also, to make sure you receive the best job opportunities matching your profile, you need to keep your profile at myamcat.com upto date with your most recent information and contact details. Do not compromise here, lest you miss a desired interview opportunity!

We need your feedback

Throughout this report, we have provided you with feedback. We also look for your feedback!

It is our endeavor to continuously improve ourselves so that the user has a great test experience. Please contact us in case you have any feedback about the test or the test experience in general. Your valuable comments will help us in fixing the glitches, if any, in our system.

In case of any query, feedback or suggestion please log in to your myAMCAT account and fill up the form at www.myamcat.com/need-help.



Words for life

A young man asked Socrates the secret to success. Socrates told the young man to meet him near the river the next morning. They met. Socrates asked the young man to walk with him toward the river. When the water got up to their neck, Socrates took the young man by surprise and ducked him into the water. The boy struggled to get out but Socrates was strong and kept him there until the boy started turning blue. Socrates pulled his head out of the water and the first thing the young man did was to gasp and take a deep breath of air. Socrates asked, 'What did you want the most when you were there?' The boy replied, 'Air.' Socrates said, 'That is the secret to success. When you want success as badly as you wanted the air, then you will get it.' There is no other secret.

A burning desire is the starting point of all accomplishment.

Just like a small fire cannot give much heat, a weak desire cannot produce great results...

SRI SAI RAM INSTITUTE OF TECHNOLOGY
DEPARTMENT OF ECE
TESSOLVE INTERNSHIP TRAINING PROGRAM (22.03.2022 to 28.03.2022)
ATTENDANCE SHEET

S.NO	NAME	REGISTER NUMBER	22.03.2022		23.03.2022		24.03.2022		25.03.2022		26.03.2022		28.03.2022	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	AARTHI R	412419106001	Aarth	Aarth	Aarth	Aarth	Aarth	Aarth	Aarth	Aarth	Aarth	Aarth	Aarth	Aarth
2	ADITYA K E	412419106002	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya	Aditya
3	AISWARYA S	412419106003	Aishu	Aishu	Aishu	Aishu	Aishu	Aishu	Aishu	Aishu	Aishu	Aishu	Aishu	Aishu
4	AKASH D	412419106004	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash
5	ASHLIN S L	412419106010	Ashlin	Ashlin	Ashlin	Ashlin	Ashlin	Ashlin	Ashlin	Ashlin	Ashlin	Ashlin	Ashlin	Ashlin
6	DANUJAA R	412419106013	R.D	R.D	R.D	R.D	R.D	R.D	R.D	R.D	R.D	R.D	R.D	R.D
7	DHARSHINI M S	412419106017	Dns	Dns	Dns	Dns	Dns	Dns	Dns	Dns	Dns	Dns	Dns	Dns
8	DHEEPICA V S	412419106018	V.S.D	V.S.D	V.S.D	V.S.D	V.S.D	V.S.D	V.S.D	V.S.D	V.S.D	V.S.D	V.S.D	V.S.D
9	GANAPRIYA N V	412419106021	GN	GN	GN	GN	GN	GN	GN	GN	GN	GN	GN	GN
10	HARIHARAN D	412419106024	haran	haran	haran	haran	haran	haran	haran	haran	haran	haran	haran	haran
11	IYER CHARAN MURTHY	412419106030	Charan	Charan	Charan	Charan	Charan	Charan	Charan	Charan	Charan	Charan	Charan	Charan
12	JEFRIN J M	412419106034	Jefrin	Jefrin	Jefrin	Jefrin	Jefrin	Jefrin	Jefrin	Jefrin	Jefrin	Jefrin	Jefrin	Jefrin
13	JEREMIN S H	412419106035	JH	JH	JH	JH	JH	JH	JH	JH	JH	JH	JH	JH
14	MAHITHRA S	412419106040	Shan	Shan	Shan	Shan	Shan	Shan	Shan	Shan	Shan	Shan	Shan	Shan
15	MOHAMMED ZAID J	412419106041	Zaid	Zaid	Zaid	Zaid	Zaid	Zaid	Zaid	Zaid	Zaid	Zaid	Zaid	Zaid
16	MONISHA M	412419106042	M.Moni	M.Moni	M.Moni	M.Moni	M.Moni	M.Moni	M.Moni	M.Moni	M.Moni	M.Moni	M.Moni	M.Moni
17	MONISHA N	412419106043	Moni	Moni	Moni	Moni	Moni	Moni	Moni	Moni	Moni	Moni	Moni	Moni
18	MUSTI VENKATA SAI SRAVAN N	412419106044	M.S	M.S	M.S	M.S	M.S	M.S	M.S	M.S	M.S	M.S	M.S	M.S
19	NAVIN KUMAR G	412419106047	Nag	Nag	Nag	Nag	Nag	Nag	Nag	Nag	Nag	Nag	Nag	Nag
20	POOJA P	412419106049	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
21	PRAGADEESHVARAN S	412419106050	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr	Pr
22	PRAVEEN KANTH S	412419106053	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs	Prs

23	PRIYADARSHINI P	412419106055	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya	Priya
24	PRIYADHARSHINI K	412419106056	Kpriya	Kpriya	Kpriya	Kpriya	Kpriya	Kpriya	Kpriya	Kpriya	Kpriya	Kpriya	Kpriya	Kpriya
25	PRIYANKA I	412419106057	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka	Priyanka
26	RAJESH S	412419106059	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh
27	RISHI RITVIK RAJ A	412419106062	Rishi	Rishi	Rishi	Rishi	Rishi	Rishi	Rishi	Rishi	Rishi	Rishi	Rishi	Rishi
28	RITHIKA P	412419106063	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika	Rithika
29	ROOPIKAA K	412419106064	Roopika	Roopika	Roopika	Roopika	Roopika	Roopika	Roopika	Roopika	Roopika	Roopika	Roopika	Roopika
30	SAI RAMA KRISHNAN V	412419106067	Saikama	Saikama	Saikama	Saikama	Saikama	Saikama	Saikama	Saikama	Saikama	Saikama	Saikama	Saikama
31	SAKTHI DHANALAKSHMI S	412419106068	Sakthi	Sakthi	Sakthi	Sakthi	Sakthi	Sakthi	Sakthi	Sakthi	Sakthi	Sakthi	Sakthi	Sakthi
32	SARAAVATHY P	412419106071	P.Saravathi	P.Saravathi	P.Saravathi	P.Saravathi	P.Saravathi	P.Saravathi	P.Saravathi	P.Saravathi	P.Saravathi	P.Saravathi	P.Saravathi	P.Saravathi
33	SARAN R	412419106072	Saran	Saran	Saran	Saran	Saran	Saran	Saran	Saran	Saran	Saran	Saran	Saran
34	SHAKTHI V	412419106076	Shakthi	Shakthi	Shakthi	Shakthi	Shakthi	Shakthi	Shakthi	Shakthi	Shakthi	Shakthi	Shakthi	Shakthi
35	SHARMITHA S	412419106077	Sharmitha	Sharmitha	Sharmitha	Sharmitha	Sharmitha	Sharmitha	Sharmitha	Sharmitha	Sharmitha	Sharmitha	Sharmitha	Sharmitha
36	SHARUMATHI C V	412419106078	Sharumathi	Sharumathi	Sharumathi	Sharumathi	Sharumathi	Sharumathi	Sharumathi	Sharumathi	Sharumathi	Sharumathi	Sharumathi	Sharumathi
37	SHIVARAMAN G	412419106079	Shivaraman	Shivaraman	Shivaraman	Shivaraman	Shivaraman	Shivaraman	Shivaraman	Shivaraman	Shivaraman	Shivaraman	Shivaraman	Shivaraman
38	SOORYA PRAKASH S	412419106084	Soorya	Soorya	Soorya	Soorya	Soorya	Soorya	Soorya	Soorya	Soorya	Soorya	Soorya	Soorya
39	STEFFI GRACE M	412419106085	Steffi	Steffi	Steffi	Steffi	Steffi	Steffi	Steffi	Steffi	Steffi	Steffi	Steffi	Steffi
40	SUDHARSAN S	412419106086	Sudharsan	Sudharsan	Sudharsan	Sudharsan	Sudharsan	Sudharsan	Sudharsan	Sudharsan	Sudharsan	Sudharsan	Sudharsan	Sudharsan
41	SURESHKUMAR S	412419106087	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh	Suresh
42	SURUTHI LAKSHMI E	412419106089	Suruthi	Suruthi	Suruthi	Suruthi	Suruthi	Suruthi	Suruthi	Suruthi	Suruthi	Suruthi	Suruthi	Suruthi
43	VAISHNAVI V	412419106091	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi
44	VARADHARAJ K	412419106092	Varadharaj	Varadharaj	Varadharaj	Varadharaj	Varadharaj	Varadharaj	Varadharaj	Varadharaj	Varadharaj	Varadharaj	Varadharaj	Varadharaj
45	VIGNESH JOTHI K	412419106093	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh	Vignesh
46	YASWANTH KUMAR YENDLURI D	412419106096	Yaswanth	Yaswanth	Yaswanth	Yaswanth	Yaswanth	Yaswanth	Yaswanth	Yaswanth	Yaswanth	Yaswanth	Yaswanth	Yaswanth
47	AKASH S	412419106301	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash
48	VIKAS. V	412419105046	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas	Vikas
49	KANAKASRI. V	412419105013	Kanaka	Kanaka	Kanaka	Kanaka	Kanaka	Kanaka	Kanaka	Kanaka	Kanaka	Kanaka	Kanaka	Kanaka
50	KEERTHANA. M	412419105017	Keerthana	Keerthana	Keerthana	Keerthana	Keerthana	Keerthana	Keerthana	Keerthana	Keerthana	Keerthana	Keerthana	Keerthana

22/3 22/3 23/3 23/3 24/3 24/3 25/3 25/3 26/3 26/3 28/3 28/3

G. Suresh Kumar
28/3/25

**RENAULT NISSAN
AUTOMOTIVE INDIA PRIVATE LIMITED**

Factory cum Registered Office : Plot No.1, SIPCOT Industrial Park, Oragadam
Mattur (Post), Sriperumbudur, Kanchipuram District - 602 105, Tamil Nadu.
Phone : +91 44 37199999 Fax : +91 44 37196803
CIN No: U34100TN2007PTC073002 PAN No: AADCR7965B

TO WHOMEVER IT MAY CONCERN

This is to certify that **Mr. AASIF KASALI. A** studying **B.E - MECHANICAL ENGINEERING** from **SRI SAIRAM INSTITUTE OF TECHNOLOGY** has successfully completed his Internship on **“DESIGN VALIDATION & FIT AND FINISH CONCERN ANALYSIS”** in **RENAULT NISSAN AUTOMOTIVE INDIA PRIVATE LIMITED**. He has undergone internship from 01-09-2021 to 01-11-2021 under the guidance of **Mr. PRASANNA. R, Trim & Chassis (RNAIPL)**.

During his tenure with us for the above period, we found him efficient, his character and conduct were good.

We wish **Mr. AASIF KASALI. A** all the best to his future endeavors.

For Renault Nissan Automotive India Private Ltd



Jaljith Narayanan
Human Resources

**RENAULT NISSAN
AUTOMOTIVE INDIA PRIVATE LIMITED**

Factory cum Registered Office : Plot No.1, SIPCOT Industrial Park, Oragadam
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We wish **Mr. AASIF KASALI. A** all the best to his future endeavors.

For Renault Nissan Automotive India Private Ltd



Jaljith Narayanan
Human Resources

CERTIFICATE OF COMPLETION

June 2021 - August 2021

SHAPEAI

AARADHYANIDHI AIYER

Has successfully completed the

DATA ANALYST

Internship and Training Program



Shaurya Sinha

CO-FOUNDER

Scan the QR code to verify



or visit: <https://cert.shapeai.tech/verify/Z1Tx89X>

Skill India Internship

Certificate of Completion to

HARISH K

————— for completing 1-month internship on —————

FEA/CFD Internship

In this one-month program, you've shown grit, patience, curiosity and hard-work to learn skills that are important in Industry. And, this is just the start of journey to your dream career. Make your dream come true.

Keep Learning, Keep Exploring!

We wish you all the best for your future

S. No: ETGSI10340_____



Mayank Arora

CEO & Founder

Date of Issue: 29th Sept 2021



Date: 21/10/2021

Dear Mr. HARISH K,

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. HARISH K** has done his internship as **Design Intern** at Mechathon Engineering Private Limited from **16th August-2021** to **15th October-2021**.

He worked on a project titled "**DESIGN OPTIMIZATION OF MULTI-PLUNGER POSITIVE DISPLACEMENT PUMPS**". As part of the project, he supported as an Intern for our Design and Development Team.

During his internship he has demonstrated his skills with self-motivation to learn the new skills. His performance exceeded our expectations and he completed the project on time. We wish all the best for his upcoming career.

Certificate ID: MEI2021ABMK

For Mechathon Engineering Pvt. Ltd.,

eSign

Signed by: Vigneshwaran
Srinivasan
Reason: Internship
Location: Chennai, India
Date: 21-Oct-2021 (04:46 PM)

Vigneshwaran Srinivasan
Director of Mechathon Engg. Pvt. Ltd.

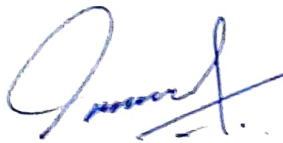
HRD/Inplant-2021/ IT-30

29 October 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.Mohammed Younus A K R**, student of Sri Sairam Institute of Technology - Chennai, has successfully completed his Inplant training at our plant during the period 25th Oct 2021 to 29th Oct 2021, with reference to the partial fulfillment of the requirements of the Mechanical Engineering course.

He has been a keen learner. His skills and efforts during the training were commendable and we wish him all the best for his future endeavors.

For **HYUNDAI MOTOR INDIA LIMITED**

Navin Joseph Peter J
Head of Section
Human Resources Development



**RENAULT NISSAN
AUTOMOTIVE INDIA PRIVATE LIMITED**

Factory cum Registered Office : Plot No.1, SIPCOT Industrial Park, Oragadam
Mattur (Post), Sriperumbudur, Kanchipuram District - 602 105, Tamil Nadu.
Phone : +91 44 37199999 Fax : +91 44 37196803
CIN No: U34100TN2007PTC073002 PAN No: AACDR7965B

TO WHOMEVER IT MAY CONCERN

This is to certify that **Mr. GANESH M** studying **MECHANICAL ENGINEERING** from **SRI SAIRAM INSTITUTE OF TECHNOLOGY , WEST TAMBARAM** has successfully completed his Internship on **“PRODUCTIVITY IMPROVEMENT BY TIME STUDY ANALYSIS” IN BODY SHOP** in **RENAULT NISSAN AUTOMOTIVE INDIA PRIVATE LIMITED**. He has undergone internship from 11-10-2021 to 07-12-2021 under the guidance of **Mr. SANTHOSH KUMAR A Assistant Manager - Body Shop (RNAIPL)**.

During his tenure with us for the above period, we found him efficient, his character and conduct were good.

We wish **Mr. GANESH M** all the best to his future endeavors.

For Renault Nissan Automotive India Private Ltd



Jaljith Narayanan
Human Resources

No. : 29318



एन एस आई सी
N S I C

राष्ट्रीय लघु उद्योग निगम लिमिटेड

NATIONAL SMALL INDUSTRIES CORPORATION LIMITED

(A Govt. of India Enterprise)

NSIC - TECHNICAL SERVICES CENTRE

Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai - 600 032.

CERTIFICATE

This is to certify that Mr. **THIYAGARAJAN S.** S/o. Shri. **SELVAKUMAR P.** student of II year B.E/B.Tech (AI & DS), Sri Sairam Institute of Technology, has undergone "**Internship Training on INDUSTRIAL BASED EMBEDDED WITH AI & IOT**" conducted at our centre for a period of two weeks from 18.07.2022 to 01.08.2022.



HEAD OF TRAINING

HEAD OF CENTRE

No. : 29321



एन एस आई सी
N S I C

राष्ट्रीय लघु उद्योग निगम लिमिटेड

NATIONAL SMALL INDUSTRIES CORPORATION LIMITED

(A Govt. of India Enterprise)

NSIC - TECHNICAL SERVICES CENTRE

Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai - 600 032.

CERTIFICATE

This is to certify that Mr. **DHEEPAN BABU V.** S/o. Shri. **VIJAYABASKAR C.** student of II year B.E/B.Tech (AI & DS), Sri Sairam Institute of Technology, has undergone "**Internship Training on INDUSTRIAL BASED EMBEDDED WITH AI & IOT**" conducted at our centre for a period of two weeks from 18.07.2022 to 01.08.2022.




HEAD OF TRAINING


HEAD OF CENTRE

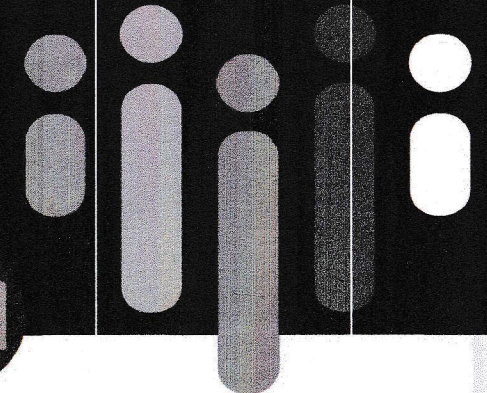
 Networking Academy



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A MeitY - NASSCOM Digital Skilling Initiative

Cyber Security Virtual Internship Program 2021

Enabling skillsets of the future



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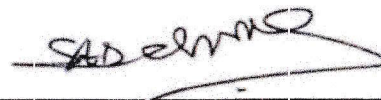
SRI VINAYAGA BARATHAN

Sri Sai Ram Institute Of Technology

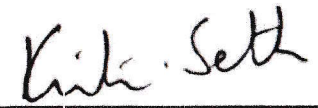
for successfully completing cyber security virtual internship program



Marcella O' Shea
Regional Manager APJ,
Corporate Affairs, Cisco

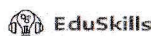


Prof. Anil D. Sahasrabudhe
Chairman,
AICTE



Kirti Sethi
Head,
NASSCOM FutureSkills

Program Partners



Student ID- STU5f465d8d9c96c1598446989

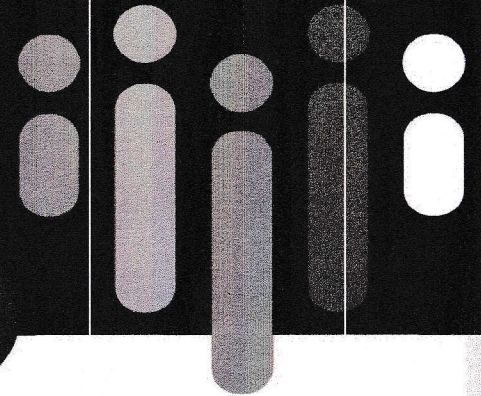
 Networking Academy



future skills
prime
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SRI VINAYAGA BARATHAN

Sri Sai Ram Institute Of Technology

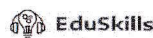
for successfully completing cyber security virtual internship program

Marcella O' Shea
Regional Manager APJ,
Corporate Affairs, Cisco

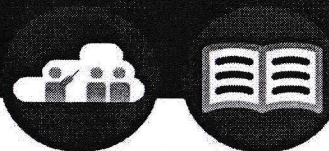
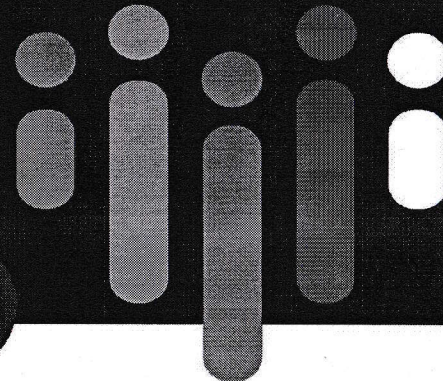
Prof. Anil D. Sahasrabudhe
Chairman,
AICTE

Kirti Sethi
Head,
NASSCOM FutureSkills

Program Partners



Student ID- STU5f465d8d9c96c1598446989



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JAYSURIYA N

Sri Sai Ram Institute Of Technology

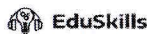
for successfully completing cyber security virtual internship program

Marcella O' Shea
Regional Manager APJ,
Corporate Affairs, Cisco

Prof. Anil D. Sahasrabudhe
Chairman,
AICTE

Kirti Sethi
Head,
NASSCOM FutureSkills

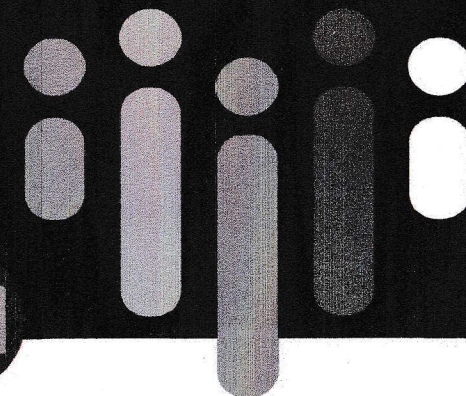
Program Partners



Student ID- STU5f5a02b2947d81599734450

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Enabling skillsets of the future



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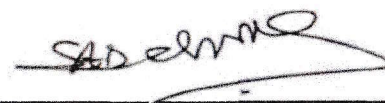
ARUNACHALAM PL

Sri Sai Ram Institute Of Technology

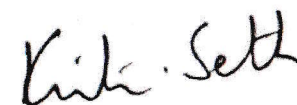
for successfully completing cyber security virtual internship program



Marcella O' Shea
Regional Manager APJ,
Corporate Affairs, Cisco

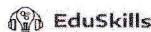


Prof. Anil D. Sahasrabudhe
Chairman,
AICTE



Kirti Sethi
Head,
NASSCOM FutureSkills

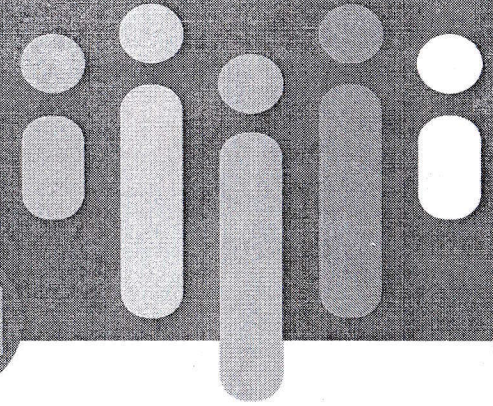
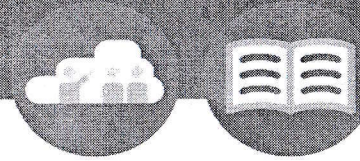
Program Partners



Student ID- STU5f5a021986f511599734297

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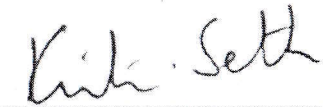
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Marcella O' Shea
Regional Manager APJ,
Corporate Affairs, Cisco



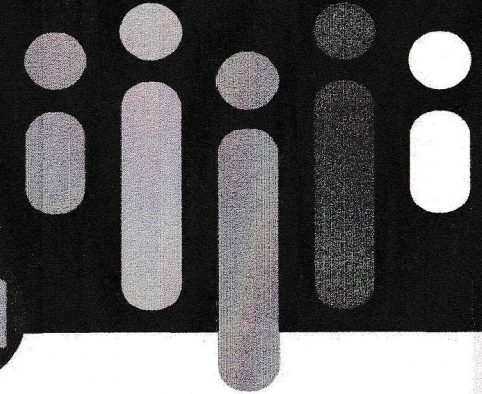
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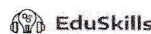
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Regional Manager APJ,
Corporate Affairs, Cisco

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Student ID- STU5f59f53fd05601599731007

Networking
CISCO Academy

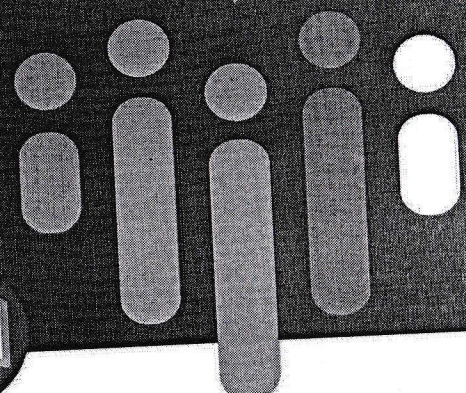
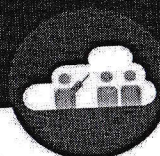


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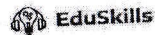
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Chairman,
AICTE

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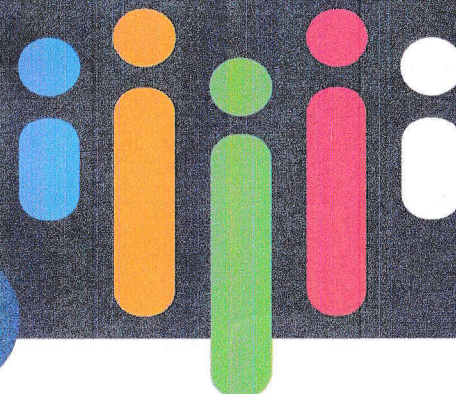


Student ID- STU5f4a0816317741598687254

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Student ID- STU5f59f8fe37c441599731966



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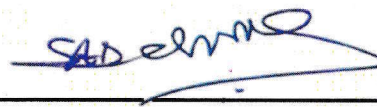
KEERTHIKA A

Sri Sai Ram Institute Of Technology

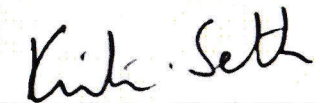
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Regional Manager APJ,
Corporate Affairs, Cisco



Prof. Anil D. Sahasrabudhe
Chairman,
AICTE



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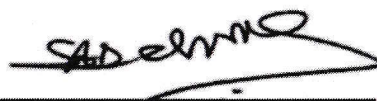
VIHAS S

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Regional Manager APJ,
Corporate Affairs, Cisco



Prof. Anil D. Sahasrabudhe
Chairman,
AICTE

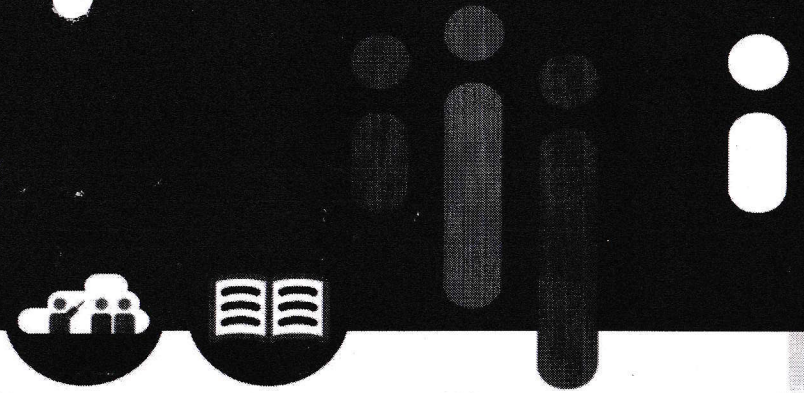


Kirti Sethi
Head,
NASSCOM FutureSkills

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Student ID- STU5f5a018f98c421599734159



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Student ID- STU5f4e14fd998781598952701

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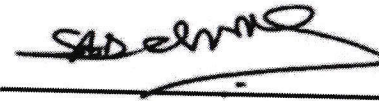
SARAVANAN S

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Regional Manager APJ,
Corporate Affairs, Cisco



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Kirti Sethi
Head,
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Student ID- STU5f5a188b43b081599740043

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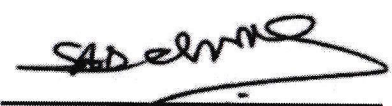
DINESHKUMAR T

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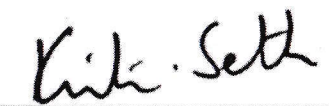
for successfully completing cyber security virtual internship program



Marcella O' Shea
Regional Manager APJ,
Corporate Affairs, Cisco



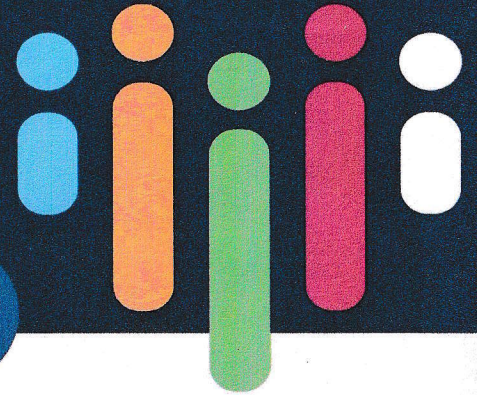
Prof. Anil D. Sahasrabudhe
Chairman,
AICTE



Kirti Sethi
Head,
NASSCOM FutureSkills

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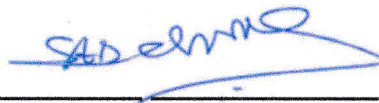
MANOJ KUMAR

Sri Sai Ram Institute Of Technology

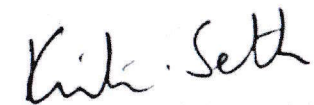
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Corporate Affairs, Cisco



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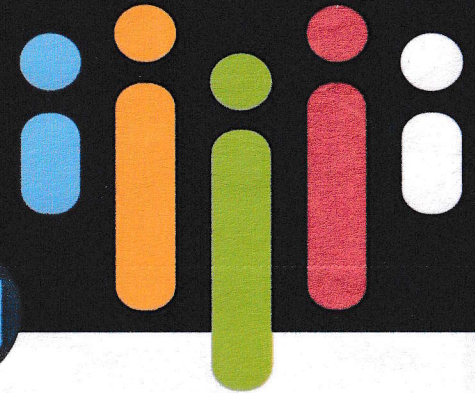
Marcella O' Shea
Regional Manager APJ,
Corporate Affairs, Cisco

Prof. Anil D. Sahasrabudhe
Chairman,
AICTE

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NASSCOM
Sri Sethi
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Student ID- STU60487d6d9f8391615363456



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Chairman,
AICTE

Kirti Sethi
Head,
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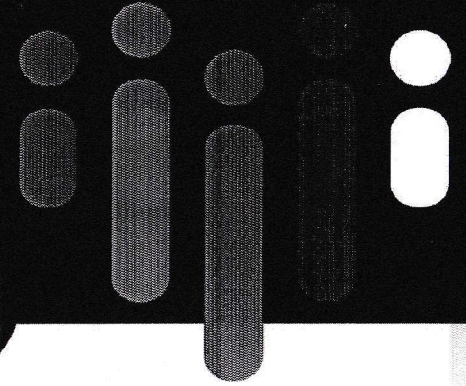


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FOUNDATION



TASK

Student ID-STU60487d6d9f8391615363437



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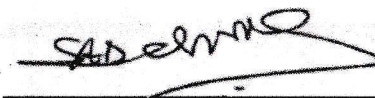
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Sri Sai Ram Institute Of Technology

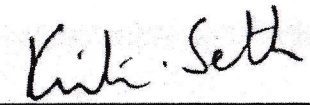
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Corporate Affairs, Cisco



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Chairman,
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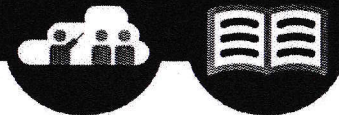
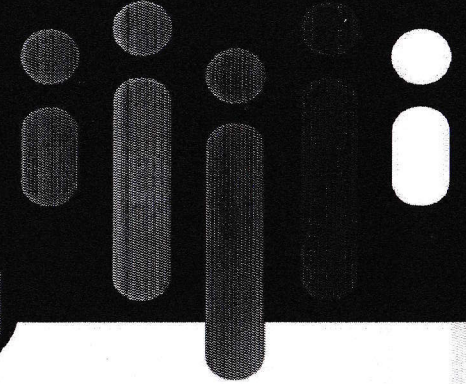


Kirti Sethi
Head,
NASSCOM FutureSkills

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Student ID- STU5f5a025eb83d61599734366



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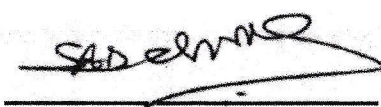
MADHUBALA R

Sri Sai Ram Institute Of Technology

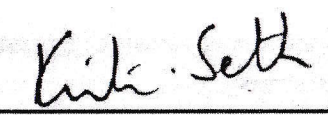
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Corporate Affairs, Cisco



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Kirti Sethi
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THE KUMBAKONAM MUTUAL BENEFIT FUND LTD.,

(Regd. Office : 145, Big Street, Kumbakonam - 612 001)

CIN : U65991TN 1903 PLC 001246, Ph : 0435-2401548

Fax : 0435-2431682 Website : www.kmbf.co e-mail : kmbf@kmbf.co

D.No.

DATE: APRIL 30, 2021

CERTIFICATE OF EXPERIENCE

THIS IS TO CERTIFY THAT MR.K AAKASHRAJ BE., SAIRAM INSTITUTE OF TECHNOLOGY HAS SUCCESSFULLY COMPLETED THE CONTENT WRITING INTENSHP IN OUR ORGANISATION FROM 29.03.2021 TO 30.04.2021

WE HAVE FOUND HIM TO BE A SELF STARTER WHO IS MOTIVATED, DUTY BOUND HARD WORKING. HE WORKED SINCERELY ON HIS ASSIGNMENTS AND HIS PERFORMANCE WAS PAR EXCELLENCE.

WE WISH HIM BEST OF LUCK FOR FUTURE.

FOR KMBF NIDHI LIMITED


MANAGER 30/A/21



- ✉ abt@abtechnologies.in
- ✉ abtechchennai@gmail.com
- 🌐 www.abtechnologies.in
- 📞 9840511458
- 📍 14, First Floor, Prajam Complex,
S.T.Hindu College Road,
Chettikulam Jn., Nagercoil,
Kanyakumari District,
Tamilnadu - 629002.

18.04.2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. AVINASH JANAKIRAMAN V**, a final year BE student of Sri Sairam Institute of Technology has successfully completed his internship program entitled on **“DESIGN OF RENEWABLE ENERGY BASED HIGH GAIN CONVERTER FOR ELECTRIC VEHICLE CHARGING APPLICATION USING MATLAB”** from Feb 16, 2021 to April 18, 2021. During the internship, he was found to be punctual, hardworking and inquisitive. It was pleasure having him with us in this short period.

We wish his every success in life.



Best Regards,

[Handwritten Signature]
18/04/2021

KAVIN K. S, M.E, M.B.A, (M.Sc), (Ph.D)

MANAGING DIRECTOR.

Branch Office:

103-M, Barani Nagar,
Opposite To St. Xaviers Matriculation School,
Vannarpettai,
Tirunelveli- 627003.

SP-137,
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S.MUKILAN

actively participated in NEC Finals 2020, organised by the Entrepreneurship Cell, IIT Bombay during 6th and 7th February. We appreciate his/her enthusiasm and wish him/her All The Best for the future.

AKASH KHONDE
Overall Coordinator
E-Cell, IIT Bombay

ECHOBIRD ELECTRONICS LLP

No.77, DDA Market, Lajwanti Garden,
New Delhi 110058
www.macjackwave.com



.....

TO WHOMSOEVER IT MAY CONCERN

Date: October 31, 2020

This is to certify that **Sarathkumar S.**, has successfully completed his **Market Research** internship with **Echobird Electronics LLP** for the period of 1 month. Starting from **24 September 2020** to **24 October 2020**.

During the course of internship, **Sarathkumar S.** has shown great amount of responsibility, sincerity, and a genuine willingness to learn and zeal to take on new assignments & challenges. In particular, he scored **88%** marks his coordination skills and communication skills are par excellence and her attention to details is impressive.

We wish him all the very best for his future.

With regards,

Team Macjack

A handwritten signature in blue ink, appearing to read "Niplind", is written over a horizontal blue line.

Authorized Signature



SAI RAM INSTITUTE OF TECHNOLOGY

An Autonomous Institution | Affiliated to Anna University & Approved by AICTE, New Delhi
Accredited by NBA and NAAC "A+" | An ISO 9001:2015 Certified and MHRD NIRF ranked institution
Sai Leo Nagar, West Tambaram, Chennai - 600 044. www.sairamit.edu.in



STUDENTS INTERNSHIP ON DUTY FORM

Name of the Student : HARIHARAN-M

Student Id : I7EE024

University Registration Number : 4124/7105018

Department : EEE

Section : A

Year : IV

Internship Company Name
with address : Psodapt Solutions Pvt.-Ltd.

Internship Duration in Days : 94 days.

Internship Start Date and End Date (DD-MM-YY): 29-03-2021 - 30-06-2021


Mentor


Class Coordinator


HOD


22/03

From

22/03/2021

M. Hariharan,
IV EEE 'A',
Sri Sairam Institute of Technology,
Sai Leo Nagar,
West Tambaram,
Chennai - 600044.

To

The Principal,
Sri Sairam Institute of Technology,
Sai Leo Nagar,
West Tambaram,
Chennai - 600044.

Respected Sir,

Sub: Seeking On Duty permission for attending Internship - Reg.

I have got placed in Proadpt Solutions Ltd. Now I have been offered an internship from the same firm. The internship starts on 29th March, 2021 (29/03/2021).

Kindly grant me ON DUTY PERMISSION from 29.03.2021 to attend the aforementioned internship.

Thanking you.

for T.P.M.
(class co-ordinator)

Forwarded to The Principal,


22/03/21

R. Anil
(Mentor)

A. Hari
22/3/21
(class-co-ordinator)

Yours Sincerely,



 (M. HARIHARAN)



Letter of Internship- Prodapt Solutions

2 messages

Abinaya Vasuki T <abinayavasuki.t@prodapt.com>
To: i7ee024@sairamtap.edu.in <i7ee024@sairamtap.edu.in>

Fri, 19 Mar 2021 at 14:10

Dear HARIHARAN M,

On behalf of Prodapt Solutions, I am excited to extend an offer to you for an internship position. This The position is for the role of intern.

This position is scheduled to begin by **29th Mar , 2021**(Tentatively) and will be a three-month paid internship opportunity. This position will pay 15000 per month as stipend amount.

The schedule for this position is Monday-Friday from 8 a.m. to 8 p.m. IST. Please write back to me with confirmation so that we can decide accordingly.

Note:

We need your fulltime availability during this duration; We will be providing leaves during the exam time; It will mostly be virtual, and few sessions may require to be F2F;

We will call and confirm the laptop/system availability and mention specification required from your end for the training sessions; It will be BYOD (bring your own device concept)

Request to join the whatsapp group <https://chat.whatsapp.com/GSyHqOqS4Qa3myxKdQPtkk> foreasy interactions

*Whatsapp Link not to be forwarded to others

Thanks and Regards,

Abinaya

Senior Manager HR

We hire attitude... Rest of the skills can be trained!

6th floor, Module 1, Tower 1 (1st & 6th Floors),

Chennai 1 , Pallavaram -Thuraipakkam,

200 Feet Rd, Thoraipakkam, Chennai-97

www.prodapt.com

<http://in.linkedin.com/in/abinayat>



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www.prodapt.com

HARIHARAN M SIT <i7ee024@sairamtap.edu.in>
To: Abinaya Vasuki T <abinayavasuki.t@prodapt.com>

Fri, 19 Mar 2021 at 14:59

Dear Madam,
I am extending my confirmation for taking the internship. I am very happy to work with Prodapt.
Thank you for providing me this opportunity.

Regards,
M. Hariharan
+91 9176058317
[Quoted text hidden]



CHAPTER – 9

PROCEDURES / FORMATS FOR ORGANIZING INTERNSHIPS.

FORMAT1. STUDENT INTERNSHIP PROGRAM APPLICATION

Complete and submit to the TPO/ Internship Program Coordinator. Type or write clearly.

1. Student Name:	HARIHARAN. M		
2. Campus Address:	SRI SAIRAM INSTITUTE OF TECHNOLOGY, SAILEED NAGAR, WESTTAMBARAM, CH-44.	Phone:	9884 709599
3. Home Address:	26/52, 4TH STREET KRISHNA NAGAR, WEST TAMBARAM, CHENNAI - 600045	Phone:	9176058317
3a. Student email address:	i7ee024@sairamtap.edu.in		
4. Academic Concentration B-E/EEE	5. Internship Semester: <u>8</u> Year. <u>IV</u>		
6. Overall GPA: <u>8.51</u>			
9. Internship Preferences			
	Location	Core Area	Company/ institution
Preference-1	<u>Online</u>	<u>IT</u>	<u>Podapit Solutions Ltd</u>
Preference-2			
Preference-3			
Faculty mentor Signature: <u>[Signature]</u>	Date <u>22/03/2021</u>		
Signature confirms that the student has attended the internship orientation and has met all paperwork and process requirements to participate in the internship program, and has received approval from his/her Advisor..			
Student Signature: <u>[Signature]</u>	Date <u>22/03/2021</u>		
Signature confirms that the student agrees to the terms, conditions, and requirements of the Internship Program			

AICTE INTERNSHIP POLICY: GUIDELINES & PROCEDURES

FORMAT 2: REQUEST LETTER FROM INSTITUTE TO INTERNSHIP PROVIDER

To

The General Manager (HR)
Prodapt Solutions, Pvt. Ltd.
Chennai

Subject: REQUEST FOR 04/06 WEEKS INDUSTRIAL TRAINING of M.Tech/4 years Degree Programme,

Dear Sir,

Our Students have undergone internship training in your esteemed Organization in the previous years. I acknowledge the help and the support extended to our students during training in previous years.

/(For first time industry) You must be aware that AICTE has made internship mandatory for all technical education students.

In view of the above, I request your good self to allow our following _____ students for practical raining in your esteemed organization. Kindly accord your permission and give at least one-week time for students to join training after confirmation.

S. No.	Name	Roll No.	Year	Discipline
1.	412417105018	-	-	-
1.	HARIHARAN - M	412417105018	IV	EEE

If vacancies exist, kindly do plan for Campus/Off Campus Interview for 2021 batch passing out students in above branches. CHECK THIS

A line of confirmation will be highly appreciated.


With warm regards,

Yours sincerely,

Training & Placement Officer



FORMAT 3. OBJECTIVES/ GUIDELINES/ AGREEMENT: INTERNSHIP SYNOPSIS (THIS WILL BE PREPARED IN CONSULTATION WITH FACULTY MENTOR)

An internship is a unique learning experience that integrates studies with practical work. This agreement is written by the student in consultation with the faculty Mentor and Industrial supervisor. It shall serve to clarify the educational purpose of the internship and to ensure an understanding of the total learning experience among the principal parties involved.

Part I: Contact Information

Student

Name: HARIHARAN - M Student ID# ITEE024 Class Year: IV - EEE
Campus Address: SRI SAIRAM INSTITUTE OF TECHNOLOGY, SALEM NAGAR, CH - 44
City, State: CHENNAI, TAMILNADU
Phone: 9176058317 Email: itee024@sairamtap.edu.in

Industrial Supervisor

Name: Abhinaya Nagarajan Title: Trainee Senior Manager HR
Company/Organization: Prodapt Solutions Pvt-Ltd
Internship Address: Thosipakkam,
City, State, Pin: Chennai, Tamilnadu, 600097
Phone: 8056012460 Email: abhinayarasu@prodapt.com

Faculty Mentor

Name: Ms. R. Anitha Phone: 9003552259
Campus Address: Sri Sairam Institute of Technology, Ch-44

Academic Credit Information

Internship Title: Prodapt Intern Department: IT
Course #: Technical Credits: _____
Grading Option: _____ Credit/Non-credit _____
Beginning Date: 29/03/2021 Ending Date: 30.06.2021
Hours per Week: 60 hours Internship is: Paid ~~Unpaid~~

AICTE INTERNSHIP POLICY: GUIDELINES & PROCEDURES

Part II: Internship Objectives/Learning Activities

Internship Objectives: What do you intend to learn, acquire and clarify through this internship? Try to use concrete, measurable terms in listing your learning objectives under each of the following categories:

- Knowledge and Understanding

To understand and learn new technologies and to enhance my career in a better way.

- Skills

Programming and communication skills.

Learning Activities: How will your internship activities enable you to acquire the knowledge/understanding, and skills you listed above?

On the job: Describe how your internship activities will enable you to meet your learning objectives. Include projects, research, report writing, conversations, etc., which you will do while working, relating them to what you intend to learn.

Teaching/Mentoring Activities: How your technical knowledge can be applied at the site of the internship. How you can create value through mentoring/help people learn new things.

Off the job: List reading, writing, contact with faculty supervisor, peer group discussion, field trips, observations, etc., you will make and carry out which will help you meet your learning objectives.

Evaluation: Your Internship supervisor will provide a written evaluation of your internship. Describe in detail what other evidence you will provide to your faculty Mentor to document what you have learned (e.g. journal, analytic paper, project, descriptive paper, oral presentation, etc.) Include deadline dates.



art III: The Internship

Job Description: Describe in as much detail as possible your role and responsibilities while on your internship. List duties, project to be completed, deadlines, etc. How can you contribute to the organization/site of internship.

supervision: Describe in as much detail as possible the supervision to be provided/needed at the work site. List what kind of instruction, assistance, consultation you will receive from whom, etc.

valuation: How will your work performance be evaluated? By whom? When?

art IV: Agreement

This contract may be terminated or amended by student, faculty coordinator or work supervisor at any time upon written notice, which is received and agreed to by the other two parties.

Student HARIHARAN, M

Date _____

Faculty Mentor Ms. R. ANITHA

Date _____

Industry Supervisor ABHINAYA NAGARAJAN

Date _____

AZOVA RCM PRIVATE LIMITED

awfis, #143/1, Uthamar Gandhi Road,
Nungambakkam, Chennai – 600 034 INDIA

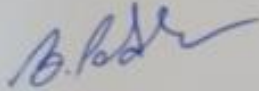
INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **V KEERTHANA** (Reg No: 412417105027)
IVth YEAR B.E – Electrical and Electronics Engineering, Sri Sairam
Institute of Technology, West Tambaram, Chennai – 600 044, has
undergone **HR internship** at **AZOVA RCM PRIVATE LIMITED**,
Uthamar Gandhi Road, Nungambakkam, Chennai – 600 034, for a
period of 6 weeks from **23rd November, 2020** to **31st December, 2020**.

Place: Chennai

Date : 31/12/2020

For Azova RCM Pvt. Ltd.


Authorised Signatory





Letter of Internship- Prodapt Solutions

2 messages

Abinaya Vasuki T <abinayavasuki.t@prodapt.com>
To: i7ee053@sairamtap.edu.in <i7ee053@sairamtap.edu.in>

Fri, 19 Mar, 2021 at 2:10 pm

Dear KEERTHANA V,

On behalf of Prodapt Solutions, I am excited to extend an offer to you for an internship position. This The position is for the role of intern.

This position is scheduled to begin by **29th Mar , 2021**(Tentatively) and will be a three-month paid internship opportunity. This position will pay 15000 per month as stipend amount.

The schedule for this position is Monday-Friday from 8 a.m. to 8 p.m. IST. Please write back to me with confirmation so that we can decide accordingly.

Note:

We need your fulltime availability during this duration; We will be providing leaves during the exam time; It will mostly be virtual, and few sessions may require to be F2F;

We will call and confirm the laptop/system availability and mention specification required from your end for the training sessions; It will be BYOD (bring your own device concept)

Request to join the whatsapp group <https://chat.whatsapp.com/GSyHqOqS4Qa3myxKdQPtkk> foresay interactions

***Whatsapp Link not to be forwarded to others**

Thanks and Regards,

Abinaya

Senior Manager HR

We hire attitude... Rest of the skills can be trained!

6th floor, Module 1, Tower 1 (1st & 6th Floors),

Chennai 1 , Pallavaram -Thuraipakkam,

200 Feet Rd, Thoraipakkam, Chennai-97

www.prodapt.com

<http://in.linkedin.com/in/abinayat>



Disclaimer

This email contains proprietary, confidential and privileged information of Prodapt Solutions Private Limited and its affiliates ("Prodapt" or "We") and is intended for the exclusive use of the named recipient ("Recipient"). If you are not the intended Recipient and have received this email by mistake, please reply to this email and follow with its deletion, so that we can ensure such a mistake does not occur in the future. It is strictly prohibited to share any part of this email with any third party, without an express written confirmation by Prodapt. All e-mail, if permitted by applicable law, sent to and from Prodapt is subject to archiving and review by someone other than the Recipient. We do not accept any liability for any errors or omissions in the contents of this e-mail nor do we represent that this email and any attachments is without any errors and virus free. In the event this email

contains Personal Data of the Recipient, we would like to inform that we process Personal Data in accordance with our [Privacy Policy](#). No employee/contractor is authorized to conclude any binding contract on behalf of Prodapt without an express written confirmation by an executive officer of Prodapt. Please do not print this email unless it is necessary. Every unprinted email helps the environment. Thank you for your co-operation

www.prodapt.com

KEERTHANA V SIT <i7ee053@sairamtap.edu.in>
To: Abinaya Vasuki T <abinayavasuki.t@prodapt.com>

Fri, 19 Mar, 2021 at 2:55 pm

Good afternoon mam,

This is V KEERTHANA from Sri Sairam Institute of Technology, Chennai. I have received the letter of internship. I hereby confirm my full time presence during the internship.

Thanking you ,

Regards

V Keerthana

[Quoted text hidden]



- ✉ abt@abtechnologies.in
abtechchennai@gmail.com
- 🌐 www.abtechnologies.in
- 📞 9840511458
- 📍 14, First Floor, Prajam Complex,
S.T.Hindu College Road,
Chettikulam Jn., Nagercoil,
Kanyakumari District,
Tamilnadu - 629002.

18.04.2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. LOKENDRAN U**, a final year BE student of Sri Sairam Institute of Technology has successfully completed his internship program entitled on **“DESIGN OF RENEWABLE ENERGY BASED HIGH GAIN CONVERTER FOR ELECTRIC VEHICLE CHARGING APPLICATION USING MATLAB”** from Feb 16, 2021 to April 18, 2021. During the internship, he was found to be punctual, hardworking and inquisitive. It was pleasure having him with us in this short period.

We wish his every success in life.



Bes Best Regards,

[Handwritten Signature]
18/04/2021

KAVIN K. S, M.E, M.B.A, (M.Sc), (Ph.D)

MANAGING DIRECTOR.

Branch Office:

103-M, Barani Nagar,
Opposite To St. Xaviers Matriculation School,
Vannarpettai,
Tirunelveli- 627003.

SP-137,
1st Main Road,
Ambattur Industrial Estate,
Chennai-600058.



- ✉ abt@abtechnologies.in
abtechchennai@gmail.com
- 🌐 www.abtechnologies.in
- 📞 9840511458
- 📍 14, First Floor, Prajam Complex,
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S.T.Hindu College Road,
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[Handwritten Signature]
18/04/2021

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SP-137,
1st Main Road,
Ambattur Industrial Estate,
Chennai-600058.

**AN EFFICIENT MODEL FOR AGRICULTURE PLANT
DISEASE DETECTION USING FASTER REGION
BASED RCNN**

A PROJECT REPORT

Submitted by

GEETHA S C [412418205014]

GAYATHRI S [412418205055]

MOHANAPPRIYA K [412418205067]

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

in

INFORMATION TECHNOLOGY

SRI SAI RAM INSTITUTE OF TECHNOLOGY

(An Autonomous Institution; Affiliated to Anna University, Chennai -600 025)



ANNA UNIVERSITY: CHENNAI 600 025



MAY 2022

BONAFIDE CERTIFICATE

Certified that this project report “**AN EFFICIENT MODEL FOR AGRICULTURE PLANT DISEASE DETECTION USING FASTER REGION BASED RCNN**”

is the Bonafide work of “ **Geetha S C (412418205014) , Gayathri S (412418205055), Mohanappriya K (412418205067) ”** who carried out the project work under my/our supervision.

SIGNATURE

**Dr.NANDHINI.J.M MCA.,M.Phil.,M.Tech.,Ph.D.,
SUPERVISOR AND
ASSOCIATE PROFESSOR
Information Technology
Sri Sai Ram Institute of Technology,
Chennai.**

SIGNATURE

**Dr.V.BRINDHA DEVI M.E., Ph.D.,
PROFESSOR AND
HEAD OF THE DEPARTMENT
Information Technology
Sri Sai Ram Institute of Technology,
Chennai.**

Submitted for the project viva-voce examination held on_____

INTERNAL EXAMINER

EXTERNAL EXAMINER

ACKNOWLEDGEMENT

A successful man is one who can lay a firm foundation with the brick's others have thrown at him. —*David Brinkley*

Such a successful personality is our beloved Founder Chairman, **Thiru.MJF.Ln. LEO MUTHU**. At first, we express our sincere gratitude to our beloved chairman through prayers, who in the form of a guiding star has spread his wings of external support with immortal blessings.

We express our gratitude to our Chairman and CEO **Mr. J.SAI PRAKASH LEO MUTHU** and our Trustee **Mrs. J. SHARMILA RAJA** for their constant encouragement for completing this project.

We express our sincere thanks to our beloved Principal, **Dr.K.PALANIKUMAR** for having given us spontaneous and whole hearted encouragement for completing this project.

We are indebted to our HEAD OF THE DEPARTMENT **Dr.V.BRINDHA DEVI** for her support during the entire course of this project work.

We express our gratitude and sincere thanks to our guide **Dr.J.M.NANDHINI** for her valuable suggestions and constant encouragement for successful completion of this project.

Our sincere thanks to our project coordinator **Mrs.P.SHARMILA** for her kind support in bringing out this project.

We thank all the teaching and non-teaching staff members of the Department of Electronics and Communication engineering and all others who contributed directly or indirectly for the successful completion of the project.



PROJECT EXPO

REMOTE SENSING IN SATELLITE DATA IMAGE PROCESSING USING SVM & FUZZY

G.D.Guru Prashanth , G.Chendur Arasu, R.Santhosh

Guided by

Mrs.P.Leela Jancy

Remote sensing images have many applications such as ground object detection, environmental change monitoring, urban growth monitoring and natural disaster damage assessment. We proposed a framework to automatically detect and take away shadows in globe scenes from a satellite image. Previous works on shadow detection put lots of effort in designing shadow variant and invariant hand-crafted features. In contrast, our framework automatically learns the foremost relevant features during a supervised manner using multiple machine learning technique (SVM, Fuzzy). The features are learned at the super-pixel level and along the dominant boundaries within the image the expected posteriors supported the learned features are fed to a conditional random field model to get smooth shadow masks. Using the detected shadow masks, we propose a SVM formulation to accurately extract shadow matte and subsequently remove shadows. The Bayesian formulation is predicated on a completely unique model which accurately models the shadow generation process within the umbra and penumbra regions. The model parameters are efficiently predicted by an iterative procedure of optimization. Our proposed framework consistently performed better than all major shadow databases collected under a range of conditions. Then the images/data that needs to be differentiated with statistical measure are fed as input image1 & 2 and the result image is obtained by representing the new modification from both the images. This is proposed by using the matrix called GLCM method.



PROJECT EXPO



STROKE PREDICTION SYSTEM USING ARTIFICIAL NEURAL NETWORK

Nishant Srinivas, M.Poovarasan, Harish E.D

Guided by

Dr.D.GokulaKrishnan

Many predictive techniques have been widely used in clinic decision making such that are used to predicting occurrence of a disease or diagnosis that are used to evaluate the progression or outcomes of the disease and assisting clinicians to recommend treatment of disease. However the conventional model and the system used to predict the disease are not sufficient and that was not much efficient for detecting the disease and that leads to various complexities in the prediction of the disease in the medical problem domain. They also make the most efficient and the analytical techniques for the stroke prediction system by using random forest and the XGBoost algorithm in the most efficient and accuracy manner for the detection of the stroke for the patients. So that we try to make the accuracy by using Artificial Neural Network that helps to make the outcome of this stroke prediction system is more accurate than other prediction system that used various different algorithms.



PROJECT EXPO

SMARTPHONE CONTROLLED FINGERPRINT DOOR LOCK SYSTEM USING ARDUINO AND BLUETOOTH MOBILE APPLICATION

Pavithran . U, Vetritamil . Y, Aravindhan . G

Guided by

Mrs.A.Ponmalar

COVID 19 has now infected the entire country, and everyone is doing whatever they can to avoid catching the disease by following social distancing, wearing masks, using cashless transactions, and not touching everything to prevent the spread of germs. With the advent of technology, the normal locks are becoming things of the past and new biometric-based Locks and RFID-based locks are becoming increasingly popular. Fingerprint-based locks and attendance record-keeping systems are used in most offices and schools, but due to the pandemic, it is no longer advisable, so we will create a door lock using a solenoid lock. A smartphone application is often used to check and validate the fingerprint in addition to hardware. Additionally, a mobile application is used to scan and verify the fingerprint and submit the confirmation ID to Arduino via Bluetooth. To lock and unlock the door, we'll use the Smartphone Fingerprint Sensor.



PROJECT EXPO

BANK TRANSACTION USING FACIAL IDENTIFICATION

Mahadevan R, Ranjith S, Sugedan M

Guided by

Mr.P.Suthahar

The objective of this project is to develop a robust automated algorithm for indoor room identification in higher level security purpose with high recognition rates in varying environment. First, Haar cascade based algorithm has been applied for fast and simple face detection from the input image. The face image is then being converted into gray scale image. After that, the iris candidates are extracted from the intensity valleys from the detected face. Costs of each iris candidates are calculated. Finally the iris candidates are paired up and the cost of each possible pairing is computed by a combination of mathematical models.



PROJECT EXPO

TOUR TUTOR USING CNN & SVM

Navin B, Hemanth k, Grandhe Venkata Jaswanth

Guided by

Mrs.C.Rekha

The aim of this project is to minimize the manual work where artificial intelligence comes to play to minimize the work load. The work system adopts a new concept of “emotion detection and place identification.” The application will focus on user comfort and need. The emotion detection detects the emotion of the person and tries to understand the user’s need and guide them according to their emotion. To do emotion detection, deep learning algorithm is used. In deep learning, a CNN is a class of deep neural networks and commonly applied to analyzing visual imagery. This paper also focuses on new features like “Place Identification”. In the existing system manual work is done. A guide makes the entire role for the tourist booking tickets, hotel booking, provides assistance, information on culture, historical and contemporary heritage to people. On organized site seeing and individual clients at educational establishment, religious and historical sites such as museums and various venues of tourist attraction resorts. There are certain tour guiding applications shows detailed information about each and every tourist location like near place, direction location information and certain applications book the tickets for hotels and certain applications guide the direction from your current location. But we come up with unusual approach. Computer vision Technique that allows us to identify and locate

places. This is achieved by machine learning algorithms. In machine learning, Support Vector Machines (SVM) is supervised learning models with associated learning algorithms. This (SVM) is used to classify and identify the correct places.



PROJECT EXPO



GESTURAL TALK USING DEEP LEARNING (CNN)

Kiran P, Lakshana R

Guided by

Ms. S Sujeetha

Speech and hearing impairment is a disability which affects one's ability to speak and hear. Such individuals use sign language to communicate with other people. Although it is an effective form of communication, there remains a challenge for people who do not understand sign language to communicate with speech impaired people. The aim of this paper is to develop an application which will translate sign language to English in the form of text and audio and vice versa, thus aiding communication with sign language. The application acquires image data using the webcam of the computer, then it is pre-processed under various layers of computational neural network and recognition is done using classification. The translation in the form of text is then converted to audio.



PROJECT EXPO



AUTOMATIC TAGGING OF CUSTOMER SUPPORT TICKETS USING BERT ALGORITHM

Nokudaiyaval G, Vishnu Kirthiga R

Guided by

Ms. J. Ghayathri

This system is designed to reduce the manpower needed in customer support sector and prevents the wastage of customer's precious time. This is built by using NLP and Bert algorithm. Natural Language Processing is used for the speech recognition of the customer and bert is used to for the classification of the text and results predictions. In the existing solution they used IVR in which they change the channels according to the response received from the customer and redirect it to the

designated group of people. In the proposed solution an automated reply is generated to the customer without any redirection and there is no human intervention involved. Here we pre trained the system with a closed dataset and each sentence in the datasets are tokenized. The input obtained from the customer will be converted into token and then it finds the masked word by using bidirectional search. The bert algorithm goal is to extract the most important interactive information between the queries and the customer response. With this the start and end parameters are determined. The sentence in between the start and end parameters are determined as the output which will be given back to the customer both in the form of text and voice transcript. By this way, the customer support services can be improved, and the results are guaranteed unlike in the existing solution where it eventually depends on human interactions.



PROJECT EXPO



REAL TIME MASKED FACE DETECTION AND RECOGNITION USING DEEP LEARNING

Nithyasri S, Sheffi Malar J C

Guided by

Mrs.K.Anuratha

The rapid and perilous worldwide spread of coronavirus disease 2019 (COVID-19) has resulted in a global pandemic .Wearing a face mask will help prevent the spread of infection and prevent the individual from contracting any airborne infectious germs. Face masks are part of an infection control strategy to eliminate cross-contamination. Correct facemask wearing is valuable for infectious disease control, but the effectiveness of facemasks has been diminished mostly due to improper wearing. Because of few irresponsible individuals other fellow citizens are affected by this deadly disease. so we have came up with an idea of real time masked face detection and recognition using deep learning

technology. The proposed method detects the face from the image correctly and then identifies if it has a mask on it or not and also recognises the person with both with mask and without masks. As a surveillance task performer ,it can also detect a face along with a mask in motion and multiple faces simultaneously. In this study, we develop a real time masked face detection and recognition system using deep learning technology with the help of opencv, keras and tensor flow software to detect and recognise the persons with and without face masks by real time object detectors like SSD.



PROJECT EXPO

A DEEP LEARNER BASED ENSURING SECURITY AND PRIVACY OF ELECTRONIC HEALTH RECORD SYSTEMS USING MACHINE LEARNING TECHNIQUES

T.Kiruthika, M. Nandhini

Guided by

Mr.M.Vengateshwaran

Personal health records (PHRs) are valuable assets to individuals because they enable them to integrate and manage their medical data. A PHR is an electronic application through which patients can manage their health information. Giving patients control over their medical data offers an advantageous realignment of the doctor-patient dynamic. Currently, almost all existing implementations of MPA are

centralized and fall short in providing logs and events related to provenance of granting permissions in a trusted, secure, immutable, auditable, and decentralized manner. The patients can share their PHR with medical staff from various departments with different privileges securely. The experimental results show the efficiency of our scheme in terms of running-time, communication cost and storage overhead. Moreover, for sharing data, proxy re-encryption algorithms are often used to give secure access to encrypted shared data. These schemes and algorithms are also centralized and cannot be trusted. In this paper, we propose a fully decentralized machine learning based solution are implemented using multiple oracles to give access to encrypted shared data stored on a public and decentralized storage platform, such as the Interplanetary File Systems (IPFS). The smart contracts help to validate results based on the majority of encrypted results determined by the oracles. For this, we incorporate reputation mechanisms in the proposed smart contracts to rate the oracles based on their malicious and non-malicious behaviors.



PROJECT EXPO



IDENTIFYING SCHIZOPHRENIA USING STRUCTURAL MRI WITH A FEDERATED LEARNING ALGORITHM

Nivetha.T, Monisha. S , Naga Sowjanya . G

Guided by

Mr .M .Gnanaprakash

Federated learning algorithm is used to identify schizophrenia in a structural MRI. It is a serious mental disorder and a progressive neurological disease that affects people's thinking, feeling and behavior. In order to extract patterns from neuro imaging data, various statistical methods and federated learning algorithms have been explored in the clinical and research applications. In recent years, advanced deep

learning technology has developed rapidly in the fields of industry, academia and health. In this paper, the convolutional neural network structure was used to classify schizophrenia using MRI data. We classified the functional magnetic resonance imaging (MRI) data of schizophrenia patients and the normal control data using the deep learning algorithm. This algorithm based on deep learning and a pre-trained network are used to realize the binary automatic classification of schizophrenia and normal control data. Before any classification is applied, the MRI data are strictly pre-processed to avoid any noise. Then, we use the extract and learn features from low to high levels. In order to improve performance and reduce over-fitting, drop-out and data enhancement methods are adopted. Enhancement includes rotation, flip, contrast enhancement, increased noise and modified brightness. However, considering the existence of small datasets, performance indicators are still promising, which proves the potential of schizophrenia disease image classification solutions based on deep learning. Our experiments show that the classification has been significantly improved and we choose the best setting according to the accuracy, and recall rate of performance indicators. Then we test our model on the test dataset to evaluate the accuracy of the model. The average accuracy of the model was 85% above.



PROJECT EXPO

ALLOCATION OF VEHICLE BASED ON THE AVAILABILITY USING MACHINE LEARNING

Meenaloshini M, Vijayalakshmi P, Nandhini J

Guided by

Dr. V. Brindha Devi

Allocation of vehicle Based on the Availability using Machine Learning can track/estimate the movement of people and provides real time location to the transportation department enabling them to

understand the demand and based on this they might take necessary steps to mitigate the load on their system. This idea leads to better cost efficiency and maintains a constant balance between supply and demand of the transportation system and it also reduces discomfort to the end user. We propose to consider the prediction of buses demand for pick-up as related tasks, and we constructed a feature extraction component based on Time series algorithm, multi-task learning and SARIMA Algorithm to extract spatiotemporal features concurrently. We have considered the previous data record and in addition to that we have included another mobile application wherein we can get the information of the pickup location predicted. We combined external factors, such as weather, day of the week and public transport conditions, to simultaneously predict bus demand for pick-up location.



PROJECT EXPO



PRIVACY-PRESERVING AT USER PROFILE MATCHING IN SOCIAL NETWORKS

Sri Janani Ramesh, Vivrijhitha S, Vasumathi T

Guided by

Ms. Jegatha R

In this paper, we consider a circumstance where a customer addresses a customer profile database, kept

up by a long run casual correspondence organization provider, to recognize customers whose profiles arrange the profile dictated by the scrutinizing customer. A regular instance of this application is on the web dating. Most starting late, an online dating website, Ashley Madison, was hacked, which results in disclosure of a colossal number of dating customer profiles. This data break has requested that masters explore practical security protection for customer profiles in a relational association. In this paper, we propose an assurance shielding answer for profile organizing in casual networks by using various servers. Our answer depends on homomorphic encryption and empowers a customer to find organizing customers with the help of various servers without revealing to anyone the inquiry and the addressed customer profiles in clear. Our answer achieves customer profile security and customer question assurance as long as at any rate one of the various servers is direct. Our tests display that our answer is rational.



PROJECT EXPO



VOTING BOOTH HELPER SYSTEM USING MACHINE LEARNING

Anita Shalu K R, Akshaya Y K, Mallika Das

Guided by

Ms.Sharmila.P

Elections are the fundamental defining characteristics of any democracy that is being governed by the people, where in people express their choices or articulate opinions through voting. The existing voting system uses EVM at polling booths for voting and its main drawback is the manual validation of the voter. In the polling booths, the voting process is organized by few organizers having a count from 5 to 10 or even above. These people are assigned to perform certain tasks, one of such tasks is to validate the voter. With the raising population this consumes a lot of time, which in turn increases the man power and the human error. This project aims to provide an efficient solution to overcome the drawbacks of the existing voting system. We have developed a module using face recognition algorithm, to validate the voter accurately and efficiently within no time. It even reduces the man power, as it alone, performs all the tasks performed by the several organizers at the voting booths. The algorithm made use of, is the Multi-Task Cascaded Convolutional Neural Networks (MTCNN) which is known for its accuracy and speed. The reduction of man power helps to control the rapid increase of covid cases, which is the most prevailing problem and helps the voters to vote with ease.



PROJECT EXPO

HEL MUST - SYSTEM TO REPORT HELMET VIOLATION IN TRAFFIC USING DEEP LEARNING MODEL OF OBJECT LOCALIZATION AND IDENTIFICATION

Aravindhan G, Jayasurya P S, Manikandan P N

Guided by

Ms. M.Shanmughapriya

Helmet is a amazing discovery which saves lives of two wheeler users during accidents. Usage of Helmets is encouraged in all two wheeler driving situations regardless of duration of drive and traffic conditions. Though government imposes many rules to regulate and mandate the use of Helmets in Roads, it is not achieved with optimal usage. Continuous monitoring and constant alerts need to be given to make Helmets to be used predominantly by two wheeler drivers. The proposed system uses data-set which has recorded videos in traffic signal, the images in the video are then analyzed for Two Wheeler drivers without helmet. Hence, we have developed an algorithm for the automated registration of motorcycle helmet usage from video data, using a deep learning approach. Based on we collect Video Data-set for Helmet Detection in Sparse Traffic from IITH Campus. An analysis of the algorithm's accuracy on an annotated test data set, and a comparison to available human-registered helmet use data reveals a high accuracy of our approach. And then we use Retina Net model1 which is already trained for general object detection is fine tuned to specifically detect motorcycles, riders, and helmets. Finally, When a 10 sec video of traffic surveillance system is fed into system it was able to come up with the possible optimal helmet detection, the system able to provide data about helmet violators. Implications of the proposed method, as well as measures that can further improve detection accuracy are discussed.



PROJECT EXPO



SMART TREE MANAGEMENT AND BIODIVERSITY PRESERVATION WITH IMAGE PROCESSING AND BLOCKCHAIN TECHNOLOGY

Jaikishan M., Jaswant K. A., Jesil J.

Guided by

Mrs. Nandhini J. M.

Deforestation is the major cause for the loss of habitats for animals. Commercial usage of wood is one of the main reasons behind deforestation. Due to the overutilization of these resources, many exotic species of wood varieties like sandalwood, rosewood, teak wood, etc. are on the endangered list. The main reason behind the loss of those exotic species is due to over-exploitation by various means like smuggling, illegal trading, etc. There is no existing proper mechanism to check whether the varieties of trees are been saved and not over exploited. To overcome it, we propose an idea and mechanism where the usage of those trees is tracked and observed. We are using image processing and block chain technology to overcome this problem. At first, the actual number of trees in a particular area is detected using a top view image of the trees which then, the number of trees is calculated using image processing algorithms. Then smart contracts are developed to store the details of the cut down trees. These contracts are deployed into the block chain network. UI is created to seamlessly interact with the block chain network for various stakeholders. Then this UI is embedded with the block chain network to complete the module.



PROJECT EXPO

CLASSIFYING AND PREDICTING COVID-19 INFECTION BASED ON COMPUTED TOMOGRAPHY SCAN IMAGES USING DEEP LEARNING

V. Deepika, S. Kruthi, S. Mathumathi

Guided by

Ms. K. Anuratha

Coronavirus (COVID-19) is a viral disease caused by severe acute respiratory syndrome. The spread of COVID-19 seems to have a detrimental effect on the global economy and health. Accurate and rapid diagnosis of COVID-19 suspected cases plays a crucial role in timely quarantine and medical attention. Most people infected with the corona virus will experience mild to moderate respiratory illness and recover without requiring special treatment. Deep learning neural networks have a great potential for building COVID-19 triage systems and detecting the patients, especially with low severity. Hence we develop a deep learning model that classifies and predicts COVID-19 based on Computed Tomography scan images for which we gather a dataset which includes both positive and negative images collected from humans with various levels of infection. The model further predicts the severity level for positive cases such as Low, Moderate and High with high clinical value. Next we propose a method that combines segmentation, data-augmentation and data transformation using supervised CNN algorithm, DenseNet. Our approach could help in early detection of COVID-19.



PROJECT EXPO

TRAVOLUTION

K.Pavithra Lakshmi, T.Nivetha, G.M.Keerthana

Guided by

Mr.Viswanath

Road traffic crashes are one of the world's largest public health and injury prevention problems. According to the World Health Organization (WHO), more than a million people are killed in road accidents, each year, all over the world. Each year, there are thousands of highway deaths and tens of thousands of serious injuries due to "Run-Off-Road" accidents. Everything from simple driver inattentiveness, to fatigue, callousness, to drunk driving, is responsible. The motivation behind the project Travolution is an attempt to make an embedded system which is to bring a positive difference in the field of road safety and road discipline. The project tackles some major causes of road accidents such as breaking traffic signals and drunken driving. It also has a major objective of exercising road discipline such as speed control in different areas and horn control in horn prohibited zones. The features added in this work are:

- Vehicle Speed Control in Variable Zone- in this feature, speed of the vehicle is controlled in different areas such as flyovers, bridges, highways, schools, cities and internal areas.
- Horn Control of Vehicle in No Honking Zone- Control unwanted disturbances in horn prohibited zones such as hospitals, public libraries, courts, schools etc.
- Red Light Traffic Control- In this feature the vehicle is controlled on traffic signal, when signal is red the vehicle is automatically stopped.



PROJECT EXPO

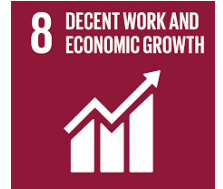
HEART DISEASE PREDICTION USING MACHINE LEARNING WITH CHATBOT

B.Riyaz Ahmed, A.T.Sridhar, S.Jaya Kumar, R.Jaikumar

Guided by

Ms. Josephine Ruth Fenitha

Heart disease is one of the most significant causes of mortality in the world today. Prediction of cardiovascular disease is a critical challenge in the area of clinical data analysis. Machine learning (ML) has been shown to be effective in assisting in making decisions and predictions from the large quantity of data produced by the healthcare industry. We have also seen ML techniques being used in recent developments in different areas of the Internet of Things (IoT). Various studies give only a glimpse into predicting heart disease with ML techniques. In this paper, we propose a novel method that aims at detecting significant features by applying machine learning techniques resulting in improving the accuracy in the prediction of detecting cardiovascular disease. The prediction model is introduced with different combinations of features and several known classification techniques. We produce an enhanced performance level with an accuracy level of 94% through the prediction model for heart disease with the support vector machine (SVM). By this detection a chatbot that response to particular query regarding heart disease is made which is a user-friendly robot.



PROJECT EXPO

IDENTIFYING REAL AND FRAUDULENT JOB POSTINGS USING MACHINE LEARNING

S.Sandhya,C.Krithika,R.Pragathi

Guided by

Mrs.K Poorna Pushkala

Employment scam is one of the serious issues in recent times addressed in the domain of Online Recruitment Frauds (ORF) . In recent days, many companies prefer to post their vacancies online so that these can be accessed easily and timely by the job-seekers. However, this intention may be one type of scam by the fraud people because they offer employment to job-seekers in terms of taking money from them. Fraudulent job advertisements can be posted against a reputed company for violating their credibility. These fraudulent job post detection draws good attention for obtaining an automated tool for identifying fake jobs and reporting them to people for avoiding application for such jobs. For this purpose, a machine learning approach is applied which employs certain algorithms for recognizing fake posts.The aim of this project is to classify real and fake jobs results in best accuracy. The analysis of dataset is done by supervised machine learning technique(SMLT) to capture several information's like, variable identification, uni-variate analysis, bi-variate and multivariate analysis, missing value treatments and analyze the data validation, data cleaning/preparing and data visualization will be done on the entire given dataset.



PROJECT EXPO

INFLUENCE MINIMIZATION OF NEGATIVE INFORMATION IN SOCIAL NETWORKS

S.Jacklin Glory M.Srinija R.Puratchi Devi

Guided by

Mrs. C.Valarmathi

The cascading of sensitive information such as private contents and rumors is a severe issue in online social networks. One approach for limiting the cascading of sensitive information is constraining the diffusion among social network users. However, the diffusion constraining measures limit the diffusion of non-sensitive information diffusion as well, resulting in the bad user experiences. To tackle this issue, in this paper, we study the problem of how to minimize the sensitive information diffusion while preserve the diffusion of non-sensitive information, and formulate it as a constrained minimization problem where we characterize the intention of preserving non-sensitive information diffusion as the constraint. We study the problem of interest over the fully-known network with known diffusion abilities of all users and the semi-known network where diffusion abilities of partial users remain unknown in advance. By modeling the sensitive information diffusion size as the reward of a bandit, we utilize the bandit framework to jointly design the solutions with polynomial complexity in the both scenarios. Moreover, the unknown diffusion abilities over the semi-known network induce it difficult to quantify the information diffusion size in algorithm design. For this issue, we propose to learn the unknown diffusion abilities from the diffusion process in real time and then adaptively conduct the diffusion constraining measures based on the learned diffusion abilities, relying on the bandit framework.



PROJECT EXPO



STUDENT FUNDING SYSTEM USING BLOCKCHAIN

V.Bharat, S.Gurumurthy, G.Sriram

Guided by

Ms.R.Sanchana

In times of crisis like Covid-19, students have to pursue their education online which demands usage of electronics like phones, tablets and laptops. Poor students can not afford to buy these devices by themselves. Crowdfunding can help those students to pursue their education without worries. Donors who donate for such causes have a doubt whether their donated money serve the intended purpose. The proposed system can help donors donate money without these doubts and help needy students. Administrator is the one who introduces Provider and Local Admin for each region into the system. Local Admins are responsible for organisations added under their region. Providers can provide proposals of affordable devices to organisations. These proposals include document that defines prototype design. The organisation can enroll students who are eligible to access the benefits of system. Once proposal is accepted by organisation, public can view the proposal details in the dashboard and can donate ethers on their will. When sufficient fund is collected, devices are dispatched to organisations and the receipt of devices need to be approved by Local Admin. For each student, proof of delivery should be submitted. Once every proof is received the proposal is marked as done and settlement of collected funds to provider takes place. This system makes use of blockchain for immutability, security. The proofs are too stored in IPFS. All the records are secure and immutable. The money donated by donors is stored in smart contract itself,. Public can view details related to proposal which promotes transparency. The motive of this system is to eliminate third parties and bring trust among donors that their money serves only intended purpose.



PROJECT EXPO

A CRYPTOGRAPHIC SHARDING ACHIEVE STRIDE SCALING ABILITY

R.Subhasripriyaa, P.Kaviya, R.Bhavatharini

Guided by

Ms. P. Sharmila

Although there are a number of different methods available to fund public expenditure, the most important one is taxation. However, governments incur costs when collecting taxes. It is, therefore, important for a government to ensure the efficiency of its tax collection system and to collect taxes in such a way that only minimal costs are incurred. Providing transparent, controllable, secure, and real-time information is vital in terms of ensuring the effectiveness of a tax collection system. There is a lack of industry or government security standards for distributed networks. We proposed a Block Chain technology system to improve the efficiency of taxation one of the basic functions of a government is to deliver public services to citizens. Service delivery of this kind requires public expenditure. Hence, governments require resources to finance their expenditure system. Where every transactional data will be organized using the technology. A variety of information can be stored on the block chain including tax related data of the citizens of a country.



PROJECT EXPO

GLAUCOMA EYE DISEASE DETECTION

Tejashwini.B, Priyanka.R, Mahalakshmi.K

Guided by

Ms. C.Rekha

Glaucoma is a disease that damages eye's optic nerve. It is often associated with elevated intraocular pressure, in which damage to the eye (optic) nerve can lead to loss of vision and even blindness. Early diagnosis and treatment are key to preserve eye sight in people with glaucoma. Our system is proposed to help prevent vision loss due to Glaucoma at earlier stages using convolutional neural network(CNN). A significant learning structure is proposed to get a different leveled depiction of FUNDUS pictures to isolate among Glaucoma and Non-Glaucoma outline. User can take the image of their retina from labs.



PROJECT EXPO



SECURED BANKING AUTHENTICATION BY PIXEL CORRELATION

Varsha V, Vijayalakshmi B, Suthanthira S

Guided By

Mr. Gnanaprakash M

Internet Banking is a course of action of organizations given by a gathering of sorted out bank workplaces. Bank customers may get to their assets from any of the part branch or working environments by means of web. The main problem in Internet Banking is the realness of the client. Secret word-based verification is a standout amongst the most broadly utilized techniques to verify a client before allowing gets to anchored sites. The wide selection of secret key based validation is the consequence of its minimal effort and effortlessness. In proposed framework implies that for every last cash in our application surrendered by the client we will produce the interesting id for each money, when the sum is exchanged from source to goal not just the sum and check of the money will be taken notwithstanding that one-of-a-kind id will likewise be exchanged with the goal that we can track the way of the cash going around. One-Time Password is a password system where passwords can only be used once and the user has to be authenticated with a new password key each time. Here the OTP has sent to the registered email address. Images are generally easier to be remembered than text and in Graphical password; user can set images as their password. Graphical passwords can be applied to workstation, web log-in applications, ATM machines, mobile devices etc.



PROJECT EXPO



PREDICTION OF BRAIN HEMORRHAGE USING DEEP LEARNING

R.Renuga Devi, G.Amudha, D.Padmasri

Guided by

Ms. A.Ponmalar

Brain hemorrhage is a severe threat to human life. Traumatic brain injuries are the cause for intracranial hemorrhage. It could lead to disability or even death if it is not timely and correctly diagnosed. The current protocol is to detect and diagnose Hemorrhage using scan reports but only by radiologists. However, this process relies heavily on the availability of an experienced radiologist. This paper aims to support the detection of hemorrhage in computerized tomography (CT) images using convolutional neural networks (CNN). We designed a study protocol to collect a Dataset that contains 100 normal CT slices and 100 others with hemorrhage. No distinction between kinds of hemorrhage. Each slice comes from a different person. The main idea of such a small dataset is to develop ways to predict imaging findings even in a context of little data. Thus the proposed system result develops a model using deep learning, a trained model will be used to develop a web development which takes input images from the user and processed results (Affected or normal) will be displayed in the web page. This paper researches various convolution layers for better accuracy.



PROJECT EXPO



COVID-19 TWEET CLASSIFICATION USING RNN IN DEEP LEARNING

Kirthana.R, Kamali Krishna.S, Sowmya.S

Guided by

Mrs.R.Jegatha

Monitoring public conversations on Twitter about healthcare and policy issues, provides one barometer of American and global sentiment about Covid19. This is particularly valuable as the situation with Covid19 changes every day and is unpredictable during these unprecedented times. A recent study analyzes that user preferences, user opinion for improvement, user sentiment about particular feature and detail with descriptions of experiences are very useful for an application development. The aim is to classify the google app tweets based on supervised machine learning techniques (SMLT). The analysis of dataset by supervised machine learning technique (SMLT) to capture several information's like, variable identification, uni-variate analysis, bi-variate and multi-variate analysis, missing value treatments and analyze the data validation, data cleaning/preparing and data visualization will be done on the entire given dataset. The main aim is to propose a machine learning-based method to classify the Covid tweets results in the form of positive, neutral or negative best accuracy from comparing supervise classification machine learning algorithms.



PROJECT EXPO



FACIAL RECOGNITION FOR PATIENT HISTORY TRACKING

Aishwarya.V, Emelee Angel.S.M , Jayavardhini.S

Guided By

Dr.D.Muruga Radha Devi

The medical history of patients and previous meetings to a doctor have been traditionally recorded and maintained using paper and pen. This can lead to waste of time incase of emergencies and may cause uncertain death of patients because time is one of the most important factor in health care. Currently, digitization is done manually by entering values into the system. This is burdensome, time-consuming and error-prone. Patient verification by unique identification is an important procedure in health care. Facial recognition can be utilized in hospitals for patient history tracking efficiently and practically faster than the current record based approach.Face Identification for every patient have been properly showcased that take several factors into consideration like reducing the inefficiency, amount of time taken at reception and efforts of medical staff in recognising a patient and drawing out subtleties of the patient's medical history, previous visits to the specialist, and prescriptions. It can also be useful to avoid medical errors like failure to correctly identify patients, resulting in the incorrect patient, incorrect site procedure, incorrect medication and other errors.We are using LBPH algorithm for facial recognition.This project is done with an aim to throw some light on the field of Computer Vision that can potentially revolutionise the way that prescriptions are given to patients since ages.



PROJECT EXPO



LIFI BASED SMART PARKING SYSTEM

Sivasankari M, Monisha S

Guided By

Mrs. P. Subha

A major issue in public places like shopping malls, museums and hospitals is parking. Parking is the main service used by the people in these private units. The management of these public units invests more time and money in designing parking systems. Existing parking systems are equipped with appropriate sensors and controllers to count the parked cars automatically, but it does not indicate empty parking slots. These systems consume more power and tend to wireless interference. The proposed system, namely, Visible Light Communication based Smart Parking System introduces Visible Light Communication, a data communication technology using a low power Arduino Uno – Atmega328 microcontroller to help drivers to get real-time parking information. Real-time information on free parking slots helps drivers to save time and reduce fuel consumption. Visible Light Communication (VLC) or Li-Fi or Optical Wireless technology means the wireless data transfer using LED. Wireless interference is greatly reduced by using VLC. The proposed system is suitable for multiple floor buildings, which involves data gathering from parking side modules integrated in multiple floors of the building. Parking side modules continuously collect the data and intimate the module integrated in the vehicle section. The module in the vehicle section interfaces a GSM modem to send the detected information to the user mobile. The result of the proposed system is validated in an indoor environment.



PROJECT EXPO



GLAUCOMA DETECTION IN CLEAR FUNDUS IMAGES USING TRANSFER LEARNING (VGG-19) AND SVM

Aparna B, Pushpa Valli K

Guided By

Mrs.P. Leela Jancy

Glaucoma is an eye condition that damages the optic nerve. It is a chronic, neurodegenerative ocular disease characterized by optic neuropathy and visual disturbances that corresponds to optic disk Cupping and optic nerve fiber degeneration. Our aim is to develop a machine learning domain prediction model for diagnosis of glaucoma. Among this current machine learning and deep learning methodology approach finding an accurate solution like this type of defect. Glaucoma caused by increasing elevated intraocular pressure in the eye. In this paper we are approaching two methods for glaucoma detection one is on Support Vector Machine(SVM) in that several classifiers are there like(KNN algorithm ,Adaboost algorithm, Random forest algorithm, SVM algorithm ,Partial Least Square Discriminate Analysis).In this paper we are using XGBOOST ALGORITHM which is decision tree based ensemble machine learning algorithm that uses a GRADIENT BOOSTING FRAMEWORK in prediction problems involving unstructured data and statistical charts like gauge ,radar and Shapley Additive Explanations(SHAP)were used to explain the prediction case and another method is convolution neural network(CNN) based VGG19 model. In this we are developing tools for pre screening computer aided diagnosis system in computer aided diagnosis system for glaucoma detection after that data sets has been included contains two public data set and private dataset. After preprocessing step, transfer learning techniques CNN based VGG19 is applied then finding the sensitivity and specificity value from performance matrices. By comparing both the methods we are processing and the model which shows the highest accuracy, sensitivity and specificity value will be used for detecting the glaucoma.



PROJECT EXPO

ANALYSIS OF SPAM DETECTION USING INTEGRATION OF LOGISTIC REGRESSION AND PSO ALGORITHM

Abhinay S, Narayanan M, Nishanth T

Guided By

Mrs.J.Ghayathri

Content-based text classification system can automatically categories the text document into predefined limited classes. But, the email document classification is a challenging process in the modern internet environment. The email documents are lightly signified in a grate dimensional features space, creating learning process and generalization (abstraction) process is problematic. The spam is an unsolicited mail, the bulk of spam mails are sent by the spammers who use vast email programs to cover their characteristics, and send the spam mails each and every day with no money. The spam mail directs the various kinds of effects, including exposing unwanted images, decreasing the company productivity, blocking of Internet Service Providers' (ISP) networks and so on. Additionally, the spam mail contain virus which is planned for some counterfeit activity. New line PSO is very effective in solving multivariable problems, where variables take on real values which are taken as new line a stand-alone technique to classify the datasets and to study the PSO based Classifier for Multiclass Data Sets. Spam has become the platform of choice used by cyber-criminals to spread malicious payloads such as viruses and Trojans. Collaborative spam detection techniques can deal with large scale e-mail data contributed by multiple sources and they have the well-known problem of requiring disclosure of e-mail content. Distance-preserving hashes are one of the common solutions used for preserving the privacy of e-mail content while enabling message classification for spam detection. PSO, a Big Data privacy-preserving collaborative spam detection platform built on top of a standard Map Reduce



At PSO feature selection the training accuracy will be less. With help of best dataset fit
n result will be high.

PROJECT EXPO

CREDIT CARD FRAUD DETECTION USING LINEAR REGRESSION

Kavyamala M, Mahalakshmi M, Deepashree D

Guided By

Mrs. J.M. Nandhini

Fraud detection is an emerging topic of great importance data mining techniques have been applied most extensively to the detection of insurance fraud, financial fraud. Financial fraud will particularly focus on detecting fraudulent credit card transactions. Fraud detection in telecommunication systems, especially the case of super imposed fraud, providing an anomaly detection technique supported by a signature schema, fraud deals with cases involving criminal purposes that mostly are difficult to identify, have also attracted a great deal of attention in recent years. The use of credit cards has dramatically increased due to a rapid advancement in the electronic commerce technology. Credit card becomes the most popular mode of payment for both online as well as regular purchase, in cases of fraud associated with it are also rising day by day. In this research sequence of operations in credit card transaction processing using a Naïve Bayes Classifier and show how it can be used for the detection of frauds. An Naïve Bayes is initially trained with the normal behavior of a cardholder. If an incoming credit card transaction is not accepted by the trained model with sufficiently high probability, it is considered to be fraudulent. At the same time, it ensures that genuine transactions are not rejected. Supervised learning requires prior classification to anomalies. In this project fuzzy rule based classification algorithm used for modeling real world credit card information data and detecting the anomaly usage of credit card information's. Whenever anomaly credit card usage detected the system will capture the anomaly user face and freeze the anomaly user system.



PROJECT EXPO

DECENTRALISED JOURNALISM

Avinash Ravishankaran , Siva Subramanian , N. Prakash Raj

Guided By

Dr. V. Brindha Devi

To provide a platform where journalists can post their news to the users and boast their opinions on the news while being anonymous, which is dangerous in the current system .This system provides easy and simple way for the users to support their preferred journalist , the transactions can be monitored by anyone at any time due to the distributed ledger. The news posted by the journalist is absolute and cannot be subjected to change by anyone but the admin, thus the news are tamperproof. The only authority who can delete the posted news is the admin but even he/she has to provide a proper reason for his actions to the user thus ensuring transparency . If a news posted in this platform has inappropriate contents the user can bring it to the notice of the admin by providing the news negative reputation . In this system the user can support their preferred journalist by a peer-peer transaction system, the admin can provide rewards for the users who bring the inappropriate news to their notice news posted in this platform has inappropriate contents. We have also have the advantage of Up-vote and Down-vote the news displayed in the feed , where the public can see the specific news is valid or not.



PROJECT EXPO



DESIGN AND IMPLEMENTATION OF PUBLIC DISTRIBUTION SYSTEM USING BLOCKCHAIN

Ahath Khan T, Anantha Narayanan V

Guided by

Dr.D.Muruga Radha Devi

The effort each farmer takes to produce food grains has to be appreciated and we should minimize the wastage of food grains. To solve the problem of wastage of food grains in Fair Price Shops due to factors like poor storage, transportation or poor management, we've been working on Decentralized Public Distribution System using blockchain. By this we might able to track from where the food grains have been purchased and how it is transported and stored. Also we can track it up to how it reaches the public. By tracking this we can come to an idea of how to not waste food grains and also audit it properly. This will create an impact in the traceability of food grains so that we will be able to minimize the wastage of food grains during the supply. This will also point out the suspicious activities that takes place in the supply chain. This application also helps to audit the food chain and store transactions in an organized manner. Everyone will be accountable for the food grains they've wasted and they'll try to act more responsibly than before. This idea will also make the existing system more secure, advanced and automated.



PROJECT EXPO



E-LEARNING SUPPORT SYSTEM FOR AUSTISM SPECTRUM DISORDER CHILDREN

Shalini J, Keerthana S, Priyadharshini S

Guided by

Mrs. S Sujeetha

Children with Autism Spectrum Disorders (ASDs) are usually diagnosed by the disturbances in the following domains; social relatedness communication/play and restricted interests and activities. As a result, interacting and communicating with children with ASDs are very intricate because of their lack of verbal and non-verbal communication skills. Understanding the needs of the children are also a very challenging task because of their difficulty in expressing their needs verbally, i.e., using gestures or pointing instead of words. To facilitate their social interaction, special effort needs to be made by parents and caregivers. Hence, Educational App for children with ASD is developed to assist them. The application helps children with ASDs to improve their social life in interacting and communicating with others while helping their parents and caregivers what the children really needs. At the same time, the application can be easily.



PROJECT EXPO

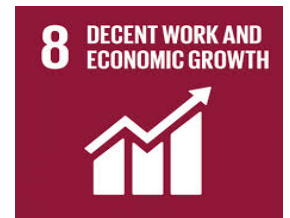
EFFICIENT MECHANISM FOR DATA DEDUPLICATION IN THE CLOUD STORAGE

Muthu Kumaran S, Charan J, Koushik V

Guided by

Mr. P Navaneethakrishnan

Data de duplication is one of important data compression techniques for eliminating duplicate copies of repeating data, and has been widely used in cloud storage to reduce the amount of storage space and save bandwidth. To protect the confidentiality of sensitive data while supporting de duplication, the convergent encryption technique has been proposed to encrypt the data before outsourcing. To better protect data security, this paper makes the first attempt to formally address the problem of authorized data de duplication. Different from traditional de duplication systems, the differential privileges of users are further considered induplicate check besides the data itself. We also present several new de duplication constructions supporting authorized duplicate check in hybrid cloud architecture. Security analysis demonstrates that our scheme is secure in terms of the definitions specified in the proposed security model. As a proof of concept, we implement a prototype of our proposed authorized duplicate check scheme and conduct test bed experiments using our prototype. We show that our proposed authorized duplicate check scheme incurs minimal overhead compared to normal operations.



PROJECT EXPO

HYBRID CRYPTOGRAPHY IN SECURE CLOUD FILE SYSTEM

Rithik Arunchunai P, Tamil Mani J, Gowreshanharan S

Guided By

Mr. P.Suthahar

Cloud Computing is employed in various fields like industry, military, college, etc. for various services and storage of giant amount of data. Those data stored at this cloud are often accessed or retrieved on the users request without direct access to the server computer. But the main concern regarding storage of knowledge online that's on the cloud is that the Security. To achieve the CIA property (confidentiality, integrity and availability) and overcome security issues, cryptography is used. To provide security to cloud storage use ruses hybrid encryption in place of single encryption or a decryption algorithm. In this project, we are going to introduce a new hybrid technique to achieve confidentiality and high data security. In this project, we are combing RSA, Blowfish and Triple DES to implement a hybrid algorithm for securely storing the data in the cloud. The performance of the hybrid system is compared with the existing hybrid method and shows that the proposed method provides high security and confidentiality of patient data