

ANNEXURE-1



SYMBIOSIS

INTERNATIONAL (DEEMED UNIVERSITY)
(ESTABLISHED UNDER SECTION 3 OF THE UGC ACT 1956, BY
NOTIFICATION NO.F.9-12/2001-U3 GOVERNMENT OF INDIA)
ACCREDITED BY NAAC WITH "A" GRADE

Service Learning Centre

Application Form for Service Learning Project

Name of the Student Amal Sunil Pillai

Institute SICSR

Programme BCA

PRN 19030121009

Gender Male Date of Birth (DD/MM/YYYY) 02/08/2001

Contact Number 7620035183

Email Id amp1921009@sicsr.ac.in

Correspondence Address: Niks boys hostel, Deep Banglow Chowk, Pune 411016

Personal Statement:

I'll use my social skills and knowledge in technology to provide support to the NGO which will aim to improve the circumstances and the prospects of people and to act on concerns and issues detrimental to the well-being, circumstances, or prospects of people or society as a whole.



Signature of the Student:

Date: 15/05/21

ANNAXURE-2

Service Learning Undertaking

Service learning is a form of experiential learning that links class room learning with community experiences and critical, reflective practices. Students in service learning will be engaged in projects and activities in the community.

Learning will occur through individual and collective critical reflection during working on project that will help students to integrate concrete experiences of real world with course/discipline concepts.

You must have received information that describes the project that you will be engaged in as well as the NGO/Organization's requirements and the learning outcomes of your service experience. As a participant in the Service Learning Programme you are required to read and sign the following student undertaking.

Signature

(Service learning In-charge of the Institute)

While participating in service learning I agree to abide by the following:

- 1. I understand the requirements and goals of service learning project in which I will participate. I know that the academic credit I receive is based on the participation and learning demonstrated through my project work, project report and presentation.*
- 2. I will fulfill the minimum number of hours for service learning project.*
- 3. I will attend orientation/training session organized by NGO/Organization for my project.*
- 4. I will behave professionally while providing my service, including observance of established dress code.*
- 5. While working on the project I will keep all sensitive information concerning people and organization confidential. I will not use or publish any information based on the data outside my project report.*
- 6. I understand that failure to fulfill the expectations of the service learning project may result in a disciplinary action.*

I, the undersigned have read and agree to the above.

Name *Amal Sunil Pillai*

Signature

Date *15/05/21*



Institute SICSR

Programme BCA

PRN 19030121009

ANNAXURE-3

Student Time Log

Name of the Student Amal Sunil Pillai

Institute SICSR

PRN 19030121009 *Semester* IV

Programme BCA *Academic Year* 2nd

Name of the Faculty Coordinator Priti Kulkarni, Kumari Deepika

Address of the NGO/Organization Aadhaar Samajik Sanstha, Pune

Project Supervisor's Name& Designation Priti Kulkarni, Kumari Deepika

Contact Number 7620035183

E- Mail amp1921009@sicsr.ac.in

To be completed by the service learning student and handed over to the Faculty/ Coordinator

Please use this form to record the number of hours per day you served at your Service Learning Organization or worked independently on your service project. When you have completed your service learning hours, please return this report to your Faculty/ Coordinator.

Date	Time In	Time Out	Total Hours	Work Description	Student Signature	Project Supervisor Signature
12/03/2021	17:00	17:40	0:40:00	Teams Meeting	<input type="text"/>	
12/03/2021	19:00	20:30	1:30:00	Analyzing different payment gateways(stripe,instamojo, razorpay,cashfree etc) for donation portal	<input type="text"/>	
12/03/2021	21:00	23:00	2:00:00	Research on additional features that could be	<input type="text"/>	

				included in the project.		
23/03/2021	15:30	18:00	0:45:00	Teams Meeting with client(NGO)	<input type="text"/>	
23/03/2021	18:00	18:30	0:45:00	Teams Meeting with development team w.r.t android app development.	<input type="text"/>	
23/03/2021	19:00	23:00	4:00:00	Setting up Android Studio ,AVD and starting with Kotlin basics	<input type="text"/>	
24/03/2021	18:00	20:00	2:00:00	Learning kotlin for android	<input type="text"/>	
25/03/2021	18:00	20:00	2:00:00	Learning kotlin for android	<input type="text"/>	
26/03/2021	18:00	20:00	5:00:00	Learning kotlin for android and creating sample apps, discussing ideas regarding donation portal implementation	<input type="text"/>	
27/03/2021	15:30	17:00	1:30:00	Teams meeting regarding client requirements implementation ideas	<input type="text"/>	
28/03/2021	10:00	13:00	3:00:00	Learning kotlin for android	<input type="text"/>	
29/03/2021	10:00	13:00	4:00:00	Learning android programming and creating sample apps	<input type="text"/>	
30/03/2021	15:00	18:00	4:00:00	Learning android programming and creating sample apps	<input type="text"/>	
31 March 2021	11:40	21:20	9:40:00	Graphic Designing for featured card UI. Added all the fragments with bottom navigation bar on the main activity. Animated the "More" fragment components and Finished "Midday meal" and "Education centres" cards.	<input type="text"/>	
01/04/2021	11:40	00:00	12:20:00	Connected Firebase. Redisgned UI for a modern gradient look with tranitions. Connected Database. Finished Add Education Centres and Viewing features. Edited the whole code to support MVVM with LiveData for reactive experience	<input type="text"/>	
02/04/2021	00:00	02:15	2:15:00	Fixed Some bugs and optimized code	<input type="text"/>	
02/04/2021	14:00	18:00	4:00:00	Restructured project and fixed a bug with recycler view. Optimized Observer code and seperated all	<input type="text"/>	

				constants into different file structure. Did some research on GCP pricing and CND services		
7 April 2021	15:30	16:00	0:30:00	Team meeting	<input type="text"/>	
27 April 2021	18:30	21:30	3:00:00	Working on the Meal Menu Part and created necessary data models	<input type="text"/>	
03/05/2021	16:30	19:30	3:00:00	Team Meeting	<input type="text"/>	
04/05/2021	16:00	22:00	6:00:00	Working on Meal Menu Activity	<input type="text"/>	
05/05/2021	13:30	16:30	3:00:00	Teams meeting for data modelling and coding approach	<input type="text"/>	
05/05/2021	17:00	22:00	5:00:00	Designing and implementing logic w.r.t dynamic views for "add meal menu" activity	<input type="text"/>	
06/05/2021	15:30	16:05	0:35:00	Teams meeting with mentor on work update	<input type="text"/>	
06/05/2021	18:30	23:00	4:30:00	Reading docs for firebase querying, creating custom dialog UI(Redesigned) and implementing logic to add meal menu data w.r.t day and centre name and update the same on firestore database	<input type="text"/>	
07/05/2021	17:00	21:00	4:00:00	R & D for online research for qr code scanners and generators	<input type="text"/>	
08/05/2021	07:00	14:00	7:00:00	Reading docs about Recycler views and implementing the same in Meal menu. Implement nested collection query logic to fetch dishes w.r.t centre and day chosen by the user.	<input type="text"/>	
08/05/2021	18:00	20:00	2:00:00	Team Meeting	<input type="text"/>	
09/05/2021	07:00	12:00	5:00:00	Add feature to delete a recycler view item selected by the user from the database and list of item in recycler view. Design dialog box to confirm deletion of items	<input type="text"/>	
09/05/2021	16:00	19:00	3:00:00	Update the UI designs(layout,styles and images) of all dialog boxes related to Meal Menu	<input type="text"/>	

10/05/2021	18:00	22:00	4:00:00	Update the UI of recycler view items and activity related components(add images, change theme etc) of Meal Menu	<input type="text"/>	
11/05/2021	19:00	21:00	2:00:00	Teams meeting for data modelling and coding approach w.r.t "Students" activity	<input type="text"/>	
11/05/2021	21:00	00:00	03:00:00	Working on Client Application. Listing Centres on Client Application. Adding About Us section. Few Bug fixing	<input type="text"/>	
12/05/2021	00:00	02:00	02:00:00	Add recycler view to show centres list in students fragment	<input type="text"/>	
12/05/2021	07:00	13:00	06:00:00	Create activity and recycler view for students list with simple UI and defining entity/object structure for students	<input type="text"/>	
12/05/2021	13:30	19:30	06:00:00	Working on Client application. Added About US details, Added Students counter. Added Centres Counter	<input type="text"/>	
12/05/2021	21:00	23:00	02:00:00	Fixed ViewModel buf with centres counter and made we UI updatates. Pushed changes to VCS and resolved few merge conflicts	<input type="text"/>	
13/05/2021	06:30	13:30	7:00:00	Add ViewModel and livedata features for real time db update of Students data. Implement logic to bind the queried students data w.r.t centre name and batch number with recycler view.	<input type="text"/>	
13 May 2021	15:30	16:35	01:05	Teams Meeting	<input type="text"/>	
13/05/2021	18:30	22:30	4:00:00	Design UI, decide activities and data flow to add student and show student details	<input type="text"/>	
14/05/2021	10:00	14:00	4:00:00	Create activity to add show student details when user clicks on the recycler view list item and design UI for the same.Design UI for activity to add a new student to database	<input type="text"/>	

14/05/20 21	16:30	22:00	5:30:00	Create activity to add a new student to database and implement field validations for all the required fields		
----------------	-------	-------	---------	--	--	--



Student Signature _____ *Total Hours* 153.35

Project Supervisor's Name _____ *Signature* _____

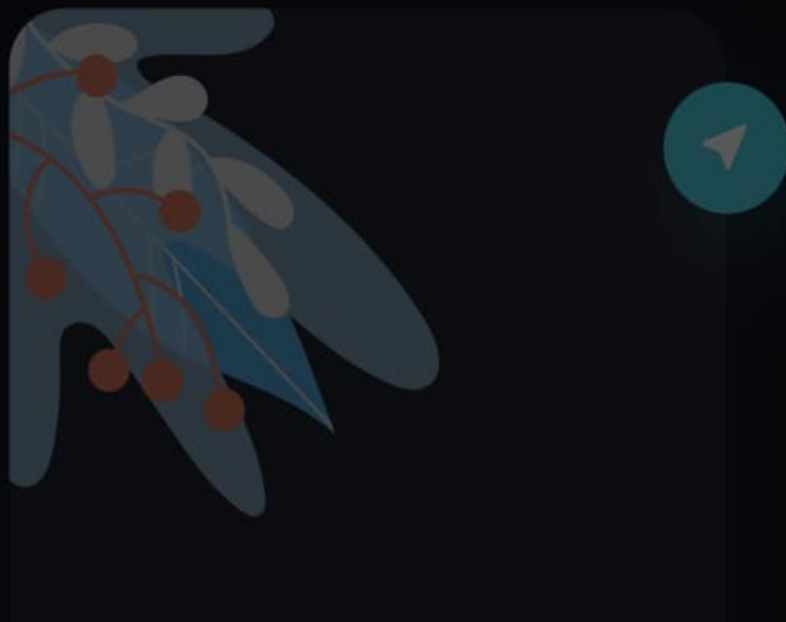
Faculty Coordinator's Signature _____

[This Time Log is to be handed over to your Faculty/ Coordinator]

Screen Shots :

Education Centres

Here is the list of all the education centres. Press the navigate button to open location on Google Maps.



Open with



Maps



Samsung Internet



Chrome



Firefox



VidMate
Download Video

Just once

Always

Aadhar Samajik Sanstha

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi fringilla magna eu ex imperdiet feugiat a quis metus. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Sed ac leo ut ante venenatis feugiat nec sit amet dolor. Phasellus finibus quam mauris, eu pharetra tortor vehicula id. Aliquam luctus, nibh eget elementum molestie, lectus odio maximus nunc, ut lacinia lectus diam ut risus. Fusce quis ipsum mauris. Duis venenatis nunc venenatis interdum rutrum. Sed sodales elementum neque. Curabitur ultrices ullamcorper ipsum, eget semper libero varius sed. Mauris mollis tellus tellus, quis suscipit orci tristique eget. Sed et ipsum vel quam ultricies sodales. Sed lacinia tristique erat in pulvinar. Suspendisse potenti. Mauris tristique magna id justo efficitur elementum. Sed et dui in dui pharetra maximus. Aliquam mollis justo nulla, non consequat sapien euismod id. Aliquam tristique aliquam lectus, gravida aliquam ante. Nunc pulvinar eu lacus a lobortis. Mauris eleifend massa justo, sodales fermentum neque varius euismod. Donec tristique ipsum ac lacinia lobortis. Curabitur eu imperdiet ante, non placerat mauris. Nam finibus dictum lorem, quis dapibus tortor maximus sit amet. Nulla commodo vitae nisi eget vestibulum. Vivamus ac ultricies justo. Nullam non venenatis odio. Vestibulum pretium est eros, quis luctus mi interdum sit amet. Donec ut porttitor enim. Maecenas ac iaculis felis. Vivamus mollis lectus ut pulvinar tempor. Duis tincidunt placerat orci, non pharetra ligula iaculis in. Phasellus ut turpis fermentum, efficitur eros ut, volutpat lectus. Nunc rutrum, erat quis semper iaculis, risus augue ultricies metus, id accumsan eros mauris eu nibh. Nullam faucibus diam velit, sed imperdiet odio vestibulum ut. In finibus magna eu augue feugiat, ac molestie odio sagittis. Pellentesque congue sapien eu tincidunt convallis. Curabitur bibendum rutrum eros, eget sollicitudin nulla finibus ut. Aliquam erat volutpat. Nulla ac ipsum quam. Suspendisse eu ipsum vel justo scelerisque sagittis. Donec ultricies sit amet turpis non hendrerit. Nullam aliquam dui id tortor dictum vehicula. Vivamus porta at metus dapibus cursus. Sed gravida, nunc quis lobortis porttitor, sapien nulla bibendum tellus, et dapibus turpis lorem sit amet quam. Proin a ante sit amet ligula varius molestie vitae at est. Nunc tincidunt, urna ut elementum dapibus, arcu odio aliquam leo, vel egestas ipsum magna ac lectus. Sed accumsan tellus vitae felis eleifend fermentum. Aliquam et ligula urna. Nulla tempor vulputate tellus, eu imperdiet arcu ornare id. Pellentesque ultricies ipsum a convallis interdum. Sed leo tortor, aliquam sit amet maximus vitae, venenatis at nulla. Nunc ultricies dui eu nibh consequat, quis vehicula arcu varius. Ut ac condimentum sapien. Maecenas quis nibh in eros auctor blandit eget pharetra mauris. Pellentesque ac nisi pulvinar, suscipit lacus quis, euismod sem. Aliquam massa augue, ultricies nec orci non, sagittis imperdiet tortor. Vestibulum faucibus ac ex tincidunt elementum. Aenean a sapien risus. Ut ullamcorper nisi non molestie laoreet. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Cras euismod suscipit nibh, at vulputate urna hendrerit non. Integer sed bibendum urna. Nulla lorem est, eleifend ut ex nec, laoreet molestie magna. Aliquam pretium arcu turpis, finibus condimentum tortor ornare ac. Fusce porta gravida mauris vel rhoncus. Integer ac convallis lorem, ac

2:31



Aadhar Samajik Sanstha

Students

13

Centres

4

Events

0



Education Centres

Visit our Education centres
and add new centres.

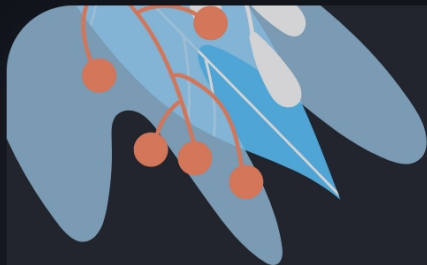


About Us

Visit here to learn more
about us!

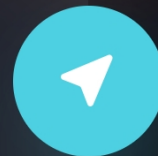
Education Centres

Here is the list of all the education centres.
Press the add button to add centres.



Delhi Centre

Indira Gandhi International
Airport, Delhi



Choose Centre

Choose Day

Delhi Centre ▼

Monday ▼

Meal Menu

Momos

Chips

rice



Edit centre details

Edit the details in the fields you want to change.

Name

Delhi Centre



Please enter the name *

Address

**Indira Gandhi
International Airport,
Delhi**



Please enter the address *

ADVANCE

Latitude

Please enter latitude of

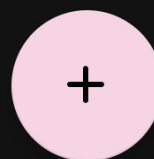


Centre : **Delhi Centre**

Batch : **1** ▼



**No students in list to
display here**



Choose Centre

Choose Day

Delhi Centre ▼

Wednesday ▼



No dish in menu to
display here



Centre : zxy centre

Batch : 5

Students List

1

Messi



ANNAXURE-4

NGO/ Organization / SCOPE Feedback Form for the Student

(To be filled by the student and sent to Service Learning Centre by the Institute)

Name of the Student Amal Sunil Pillai

Institute SICSR

PRN 19030121009 Programme BCA

NGO/ Organization Aadhaar Samajik Sanstha

Date(s) of Service 76

Total Hours of Service Provided 153.35

Please circle one response for each item. (5=Excellent / 4=Very Good / 3=Good / 2=Moderate / 1=Not Good)

Sr. No	Item	Circle choice of number			
1	The NGO/ Organization contact person was helpful.	5	4	3	2
2	I received adequate support and encouragement from the NGO/ Organization staff member(s).	5	4	3	2
3	I received adequate orientation and training for the service I provided.	5	4	3	2
4	I received adequate on- site supervision for the service I provided.	5	4	3	2
5	I personally benefitted from this service experience.	5	4	3	2
6	I would recommend service in this NGO/ Organization.	5	4	3	2

Additional comments/suggestions:

Name of the Student Amal Sunil Pillai Date 15/05/21



Signature of Student _____

ANNAXURE-5

Feedback Form for the Student on Personal Experience

To be filled by the student and sent to Service Learning Centre by the Institute

Please circle one response for each item. (5=Excellent/4=Very Good/3=Good/2=Moderate/1=Not Good)

Sr. No.	Questions	Circle choice of number			
1	How much did you learn from working at your project	5	4	3	2
2	Do you think you made a significant Contribution to the community?	5	4	3	2
3	Did your experience increase in your level of commitment to “get involved” in your community?	5	4	3	2
4	How well did service learning activity enable you to utilize your classroom learning?	5	4	3	2
5	To what extend did assigned tasks facilitate your service learning project plan objectives?	5	4	3	2
6	Did your service learning experience have any effect on the following?				
	a. Improved relationships with faculty	5	4	3	2
	b. Increased desire to take more interest in Institute	5	4	3	2
	c. Heightened self confidence	5	4	3	2
	d. Developed insight into personal strengths and weaknesses	5	4	3	2
	e. Enhanced ability to work and learn Independently	5	4	3	2
	f. In what way your service learning experience has changed your career or educational plans? Please select only one option.	a. Confirmed your plans b. Made you question your previous choice c. Decided to change career. d. Had no effect			

Any other Comment

Name of the Student Amal Sunil Pillai *Programme* BCA

Institute BCA *PRN* 19030121009



Signature of Student _____

ANNAXURE-6

Guidelines for students on Project Report of Service Learning

Title of the Service Learning Project: Aadhaar Samajik Sanstha, software(App and website)

Name of the

*NGO/Organization:*Aadhaar

Samajik Sanstha

Name of the Student Amal Sunil

Pillai

Name of Institute: SICSR

*PRN*_____ *19030121009*

Programme BCA *Semester* IV

Academic Year 2nd

Introduction of the Service Learning Project

Though this course I expect to work on some interesting projects and learn more about team work and meeting client requirements in limited amount of time. I expect to build something that I can add to my profile and also that helps the client to solve his business challenges in the most cost effective way.

Description of the Service Learning Project:

Our team were responsible for creating an Android app and a website to support the services and manage the organization 's daily activities.

Objectives of the Service Learning Project:

- *Improve the website interface*
- *Add Donation options in the Website*

- *Create two Android Application (customer and administrator)*
- *Add Centers details for the customer with navigation option and option to edit, add or delete data from Admin application*
- *Add options to add, edit and delete students records.*
- *Maintain teachers record*
- *Add, Delete or Edit Daily events and take user feedback*
- *Show users all the details in an aesthetic way*
- *Have a trending, unique and ergonomic user interface*

Methodology of the Service Learning Project:

Website:

To add donations options in the website we first decided to include a Payment Gateway (Razor Pay) but then as the gateway would charge a service amount of 2% on the principle transaction amount and the client didn't approve of that we went for a work around and integrated a UPI Donation QR code which could be scanned or downloaded by the customer to make a donation to the organization without any extra charges.

Android Application:

For the android application we used the Android SDK with Kotlin for developing the edge application and for the backend we used GCP and Firebase. We opted for Firebase and GCP because it provides free Authentication services, real-time No-SQL database, free crash logging system, play service verification, app indexing, controlled distribution, in-app messaging, analytics and is horizontally scalable in case the userbase and workload on the application increases. We used ViewModel for making reactive user interface and worked a lot in R&D of User Interface.

Learning Outcomes of the Service Learning Project:

1. *Learned android programming*
2. *Learned Kotlin*
3. *Learned to deliver results under-pressure*

Implications of the Service Learning Project:

The services and applications we created will be helping the organization in proper and effective management of the centers and also reach the public with the client application and convey their brand message/value and services and get financial support from the people for sustainable execution of the center's activities.

Obstacles/Impediment while working on the Service Learning Project:

- *I was not an android developer or hadn't taken any android courses before this project, therefore I had to learn new a technology/programming language and then work on the project.*
- *Therefore these challenges taught me to learn and deliver quality work under a short span of time.*
- *The client's limited budget was also pushing us to move a bit away from recommended solutions and find more cost-effective solutions.*
- *The client had a busy schedule which made less frequent communication another issue.*

A handwritten signature in black ink, appearing to read "B. Sin", is positioned above a horizontal line.

*Signature of Student*_____