A STUDY TO ASSESS THE PREVALENCE OF MACHIAVELLIAN PERSONALITY AMONG ADOLESCENCE AT SELECTED SCHOOLS OF PUDUCHERRY. IN A VIEW TO STRUCTURAL EQUATION MODEL.

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ABSTRACT

Personality is a branch of psychology that studies personality and its variation among individuals. Personality is a dynamic and organized set of characteristics possessed by a person that uniquely influences their environment, cognition, emotions, motivations and behaviors in various situations. Personality develops and evolves since childhood and shapes throughout life. Main objective of the study is to identify the Prevalence of Machiavellian personality in a view to provide structural equation model among adolescence at selected schools of Puducherry and to associate the prevalence of Machiavellian personality among adolescence at selected schools of Puducherry with their selected demographic variables. The period of data collection was six weeks. The purpose and benefits of the study was explained to the adolescence. The findings reveals that frequency and percentage wise distribution of Machiavellian Personality among adolescence revealed out of 100 adolescence majority 64 (64%) was under high risk of Machiavellian, 36 (36%) was under low risk of Machiavellian. Gender had shown statistically high significant association level of Machiavellian Personality among adolescence with chi – square value of (X² = 5.689, d.f = 1) at p < 0.017 level. Gender by the adolescence for Girls may also statistically significant (52%) than boys (48%). The data reveals that Fathers occupation had shown highly significant association of Prevalence of Machiavellian Personality with chi – square values of (X² = 11.771, d.f = 4) at p < 0.019 level. The data reveals that among 18 demographic variables Among 18 variables Highly significant association between low socio economic status with chi – square value of (X² = 7.608, d.f =3) at p < 0.055 level. The study finding clearly reveals that the adolescence of higher secondary students are have higher prevalence of developing Machiavellian personality. From that the female gender of adolescence higher secondary students have higher ratio of (52%) than boy’s gender. Thus the study proves that the adolescence were more prone to develop Machiavellian Personality than other age group of people.
INTRODUCTION:

Personality is a branch of psychology that studies personality and its variation among individuals. Personality is a dynamic and organized set of characteristics possessed by a person that uniquely influences their environment, cognition, emotions, motivations and behaviors in various situations. Personality also predicts human reactions to others people, problem and stress. Each person has a set of personality traits that are unique and make up one’s personality. Personality development refers to the developmental changes related to thoughts, feelings, and behaviors that characterize adolescence as a developmental period of “identity versus role confusion”. It is highly critical transition period because adolescents become more independent and begin to consider the future in terms of relationships, families, career. Machiavellian is one of the traits in “Dark Triad” In psychology, the dark triad comprises the personality traits of Narcissism, Machiavellianism, and psychopathy Machiavellian is a psychological concept that defines the human being as someone interaction with others is highly egoistic and deceitful, and interpersonal style is based on falsehood and manipulation. Machiavellian Personality (MP) tend to have many of the tendencies only focused on their own ambition and interest, priorities money and power over relationships come across as charming and confident, exploit and manipulate others to get ahead, lie and deceive when required, use flattery often, lacking in principles and values, can come across as aloof or hard to really get to know, cynical of goodness and morality, capable of causing others harm to achieve their means, low levels of empathy, often avoid commitment and emotional attachments, can be very patient due to calculating nature, rarely reveal their true intentions, prone to casual sex encounters, can be good at reading social situations and others, lack of warmth in social interactions, not always aware of the consequences of their actions, might struggle to identify their own emotions.

Characteristics of adolescents Machiavellian predominantly overlap with the above mentioned attributes of adults individuals who have pronounced Machiavellian attitudes. In several studies, Machiavellian adolescents were characterized as antisocial and aggressive, but socially skilled, charming and well linked individuals at the same time. They are often warm hearted and reciprocal in their friendships. Aggressive behavior of Machiavellian adolescents were experiencing higher levels of anger compared with their low – mach, but anger was not associated with a subsequent loss of behavioral control.

Adolescent health or youth health is the range of approaches to preventing, detecting or treating young people’s health and well being. Young people's health is often complex and requires a comprehensive, bio psychosocial approach. Some adolescent people engage in risky behavior that affect their health and therefore the majority of health problems are psychosocial. Many adolescent people experience multiple problems. These behaviors are establishes as a young person and go on to become the lifestyles of adult leading to chronic health problems.

Adolescence is a critical developmental period when many self-concepts are redefined and constructed and undergo various changes as a result of both internal and external factors. In adolescence, motivations and goals begins to guide behavior. Adolescence also fosters cognitive and meta cognitive capacities for thinking abstractly and seeking and creating an identify for the self with in one’s community.
The purpose of diagnosing PD is to provide the adolescent with the appropriate treatment. It is the adolescent period that has a corrective potential and by introducing a therapy in time. Adolescence with PDs should be treated by a team of highly qualified professionals with a clearly structured intervention model and therapeutic plan. There are many different psychotherapeutic approaches to treat PD. Metallization based Therapy (MBT), Dialectical Behavioral therapy (DBT), Adolescence identity Treatment (AIT), Structural Equation Model (SEM).

Structural equation model helps to determine the relationship between personal variables (self efficacy, disposition for gratitude, values, resources, burn out) and contextual variables (organizational culture of school, work attitude, tenure, kind of specialization). It helps to modify the selective behavior and overcome from their Machiavellian personality.

Aim of the study:

The main aim of the study is to assess the Prevalence of Machiavellian personality among Adolescence at selected schools of Puducherry. In a view to prepare structural equation model.

Objectives:

- To identify the Prevalence of Machiavellian personality in a view to provide structural equation model among adolescence at selected schools of Puducherry.
- To associate the prevalence of Machiavellian personality among adolescence at selected schools of Puducherry with their selected demographic variables.

ASSUMPTION:

It is assumed that,

- Machiavellian personality commonly identified among adolescence 12 – 18 years
- Adolescence students may have Machiavellian personality get chance to develop Anti social Personality disorders.
- Structural equation model may help to over come the selective (deceive, and exploit others to achieve their goals, neglecting to share important information)behavioral changes of Machiavellian personality

II. Materials and Methods

A quantitative research approach was selected for the present study. Descriptive research design was adopted for the present study. The study was conducted at PavendarBharadidasan Government Higher Secondary School. The school population is 950 and belongs to Co-education, primary school have separate block, higher secondary divided into four groups.
All Adolescence students studying at selected Government Higher Secondary School Puducherry. The sample size consists of 100 adolescence students. Purposive sampling technique was adopted for this present study.

**Data collection Tool :**

**SECTION A :**

Questionnaires demographic data consist of 18 items seeking information such as age, gender, religion, father's occupation, family income, type of family, area of living, status of parenting, socio economic background, types of house, number of family members, number of siblings, family history of any psychiatric illness, parent’s occupation, any major loss faced by child, history of any bad habits, number of attempts to complete academic task, number of volunteer works done for your friends.

**SECTION B :**

This section consist of standardized Mach IV scale used to assess the Machiavellian Personality. This scale consists of 20 questions and three subscale (Tactics, Morality and View). It consist of 10 positive questions and 10 negative questions. The negative questions indicates that the item is reverse scored. The questions were translated in two different language Tamil and English. Based on the total questions, the score Interpretation was done.

**Data collection procedure**

Formal permission & IEC obtained from the hospital authority. 100 sample was selected based on inclusion criteria through purposive sampling technique. Explained regarding the study and its benefits to the samples (Adolescence). Each day 5 samples were collected (the duration of data collection was 20 days) by using Mach IV scale. On 21st day the Structural equation model provided to the adolescence.

**Statistical Analysis :**

The data was analyzed using both descriptive and inferential statistics. Frequency, percentage distribution were used for the analysis of demographic data. Mean and standard deviation was used to assess the Prevalence of Machiavellian Personality. Chi square test was used to associate the selected demographic variables with “p” value of 0.005 was considered to be statistically significant for the interpretation of result.

**III. Results and conclusion**
Description of the demographic variables among adolescence at selected school of Puducherry

According to the age wise out of 100 adolescence, majority 55 (55%) was in the group 16 to 17 years most of them belongs to 17 to 19 years. Gender shows that most of them 52(52%) were female(48) of them were belongs to male. Religion shows that majority belongs to Hindu 99 (99%), 1 (!%) of them were muslims Fathers occupation shows that daily wages 79(79%), 6(6%)f of them were unemployment, 7(7%) of them were self employment, 1(1%) of them were government employee. Family income shows that 63 (63%) of them were below Rs.5000/- months, 27(27%) of them were Rs. 5001 – 10,000/- months, 10(10%) of them were above Rs.10,000/-months. Type of family shows that most of them belong to Nuclear family 77(77%), 22 (22%) of them were joint family, 1(1%) of them were broken family.

Table 2: Frequency and percentage wise distribution of Machiavellian personality among adolescence at selected school of Puducherry.  
(N=100)

<table>
<thead>
<tr>
<th>SCORING INTERPRETATION</th>
<th>FREQUENCY</th>
<th>PERCENTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Mach</td>
<td>36</td>
<td>36</td>
</tr>
<tr>
<td>High Mach</td>
<td>64</td>
<td>64</td>
</tr>
</tbody>
</table>
Table 2: Frequency and Percentage wise distribution of Prevalence of Machiavellian personality among adolescence shows that out of 100 students most of the students 64 (64%) had high level of Machiavellian personality, majority of them had 36 (36%) had low level of Machiavellian Personality

SECTION C:

Table 3: Mean and standard deviation of Machiavellian personality among adolescence at selected school of Puducherry.

(N=100)

<table>
<thead>
<tr>
<th>MEAN</th>
<th>STANDARD DEVIATION</th>
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<td>61.73</td>
<td>6.209</td>
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The Mean value of Machiavellian Personality among adolescence 61.73 and Standard deviation value 6.209
Table 4: Association between the selected demographic variables with Machiavellian personality among adolescence at selected school of Puducherry.

(N=100)

**DISCUSSION**

The main aim of the study was to assess the Prevalence of Machiavellian Personality among Adolescence at selected schools of Puducherry. In a view to Prepare Structural equation model. A total number of 100 adolescence were selected for this study. The Prevalence rate assessed by Mach IV scale. The investigator identified the Machiavellian Personality according to thee inclusion criteria and structural equation model were provided to the samples to modify the negative behavior.

Table 2: In this present study Frequency and percentage wise distribution Prevalence of Machiavellian personality among adolescence at selected schools of Puducherry. Machiavellianism personality refers to a personality traits with a person so focused on their own interest they manipulated, deceive, exploit others to achieve their goals. In this present study the mach IV scale contains a three components such as Tactics, view, morality. In tactics firstly out of 100 samples 94% of adolescents comes under the high level of Machiavellian Personality 6% comes into the low level of Machiavellian on other hand view basis of out of 100% of adolescence 98% have high level of Machiavellian personality 2% of
had them in low level of Machiavellian Personality. Finally morality basis out of 100% adolescence 96% comes under high level of Machiavellian Personality 4% had them low level of Machiavellian personality. The hidden characteristics noticed in this should be recognized and proper intervention to prevent antisocial behavior in betterment of society. Structural equation model helps to improve the individual self efficacy, gratitude, realize their values to self and others, modify their behavior and to develop sociable characteristics.

**Gender socioeconomic status, fathers occupation** had shown statistically high significant association level of Machiavellian Personality among adolescence with chi – square value of (\(X^2 = 5.689, \text{d.f} = 1\)) at \( p < 0.017\) level.

The strongly association between Machiavellian personality and gender, by the adolescence for girls may also statistically significant (52%) than boys (48%). The harm avoidance temperament factors represents, shyness, pessimism, fatigability, environment sensitive. This factors show a positive association with personality disorder.

**Table 4**: the data reveals that Fathers occupation had shown highly significant association of Prevalence of Machiavellian Personality the chi – square values of (\(X^2 = 11.771, \text{d.f} = 4\)) at \( p < 0.019\) level.

The positive association was found in daily wages. Because the daily wages employee. They won’t get a proper financial support. Their depending on others for daily needs. In major concern the parents could not taking care in a proper way. That may increase the maladaptive and manipulative behavior towards adolescence.

**Table 4**: the data reveals that socioeconomic status Highly significant association between Machiavellian personality with chi – square value of (\(X^2 = 7.608, \text{d.f} = 3\)) at \( p < 0.055\) level.

End of the study result shows that low level of educational status, poverty, financial support, low self esteem. These factors may manipulate the students attitude.

**Conclusion**

This study reveals that **Gender** had shown statistically high significant association level of Machiavellian Personality among adolescence with chi – square value of (\(X^2 = 5.689, \text{d.f} = 1\)) at \( p < 0.017\) level. **Gender** by the adolescence for Girls may also statistically significant (52%) than boys (48%). The data reveals that Fathers occupation had shown highly significant association of Prevalence of Machiavellian Personality with chi – square values of (\(X^2 = 11.771, \text{d.f} = 4\)) at \( p < 0.019\) level. The data reveals that among 18 demographic variables Among 18 variables
Highly significant association between low socio economic status with chi-square value of \( X^2 = 7.608, \text{d.f} = 3 \) at \( p < 0.055 \) level.

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